| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 054 ^O 09.76' N | DATE |
| LONGITUDE | -166 ⁰ 27.17' W | TYPE OF STORAGE (check one) |
| STATION NO. | 001 | |
| LINE NO. | | DRY COLD FROZEN |
| ì. | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket l | Surface | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

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LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 1

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/20/76 |
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| SHIP / LEG s | EA5-76-BS | · · · · · · · · · · · · · · · · · · · | | DAY/MONTH/YEAR | |
|--------------------------|--------------------------|---------------------------------------|--------------------|---------------------|-------|
| LATITUDEo | 54 ⁰ 28.33' N | | DAT | E <u>20/9/76</u> | _ |
| LONGITUDE1 | 66 ⁰ 24.25' W | | TYP | E OF STORAGE (chec) | k one |
| STATION NO. 0 | 02 | | | | 1 |
| LINE NO. | | | DR | Y COLD FROZE | N |
| _ | | | | | _ |
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 2 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: | SEA5-76-BS |
|----------|------------|
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SAMPLE NO: Water Bucket 2

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/20/76 |
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| 21.24' W | | | E <u>20/9/76</u> | |
|--------------------------|-----------------------|-------------------------|---|---|
| | | DR | Y COLD F | ROZEN |
| UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Surface | | | | |
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| | UNCORRECTED DEPTH (M) | UNCORRECTED CORE LENGTH | DATO 21.24' W TYP DR UNCORRECTED CORE BASIC LITHOLOGY | DATE 20/9/76 21,24' W TYPE OF STORAGE (DRY COLD F UNCORRECTED CORE BASIC AGE OF BOTTOM LENGTH LITHOLOGY BOTTOM |

REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 3

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/20/76 |
| · | | | | Grain Size & Composition | |
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| LATITUDE . | 05 | EA5-76-BS 55 ⁰ 18.45' N 56 ⁰ 16.52' W | | | DAY/MONTH/YEAR E 20/9/76 E OF STORAGE (check Y COLD FROZE | one) |
|------------------------|-------------|---|----------------|--------------------|---|------|
| SAMPLE NO TYPE & II | 1 | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucke | t 4 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and termperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 4

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/20/76 |
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USGS STATION LOG

| SHIP / LEGSE | A5-76-BS | | | DAY/MONTH/YEAR | |
|--------------------------|--------------------------|----------------|--------------------|-------------------|--------|
| LATITUDE05 | 5 ⁰ 48.00' N | | DATE | E20/9/76 | - |
| LONGITUDE16 | 66 ⁰ 11.59' W | | TYPI | E OF STORAGE(chec | k one) |
| STATION NO | 5 | | | |] |
| LINE NO. | | | DR' | Y COLD FROZE | N |
| | | | | | |
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 5 | Surface | | | | |
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REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 5

| SECTION | INTERVAL | NAME | ORGANIZATION _ | PURPOSE | DATE |
|------------------|----------|------------|----------------|---|----------|
| н ₂ о | Surfaœ | Dave Drake | USCS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/20/76 |
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| LATITUDE | 056 ^O | -76-BS 01.78' N 09.35' W | | | DAY/MONTH/YEZ E 20/9/76 E OF STORAGE(che Y COLD FROZ | eck one) |
|--------------------------|------------------|--------------------------------|----------------|--------------------|--|----------|
| SAMPLE NO. TYPE & ID. | UN | CORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
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REMARKS:

Expendable Bathy Thermograph

First XBT - test of recorder; worked OK, but we are unable to calibrate recorder.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 6

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/20/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG . | SEA5-76-BS | DAY/MONTH/YEAR |
|--------------|---------------------------|----------------------------|
| LATITUDE . | 056 ⁰ 18.05' N | DATE <u>20/9/76</u> |
| LONGITUDE . | -166° 07.07' W | TYPE OF STORAGE(check one) |
| STATION NO. | 007 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 7 | Surface | | | |
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REMARKS:

Surface Sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 7 |
|---------------------|---------------------------|
|---------------------|---------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible ? Grain Size & Composition | 9/20/76 |
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| SHIP / LEG _ LATITUDE _ LONGITUDE _ STATION NO LINE NO | EA5-76-BS 056 ^O 45.01' N 066 ^O 04.35' W | | | DAY/MONT E 20/9/76 E OF STORAGI Y COLD | | e) |
|--|---|--------|--------------------|---|-------------|----|
| SAMPLE NO. | UNCORRECTED | CORE | BASIC LITHOLOGY | AGE OF BOTTOM | | |
| TYPE & ID. Water Bucket | DEPTH(M) Surface | LENGIH | LITHOLOGY | BOTTON | | |
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REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 8

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible %, | 9/20/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 0! -1 | EA5-76-BS 57 ⁰ 13.54' N 66 ⁰ 01.47' W | | • | Ţ | | DAY/MONT 21/9/7 OF STORAG COLD | 76 | |
|--|----------|---|---|-------------|-------------------|-----|---|----|---|
| SAMPLE NO TYPE & ID | | UNCORRECTED DEPTH (M) | i | ORE NGIH | BASIC LITHOLOG | | AGE OF BOTTOM | | |
| Water Bucket | | Surface | | : | | _ | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 9

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ о | Surface | Dave Drake | usas | Particle Wt. Combustible % Grain Size & Composition | 9/21/76 |
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| LATITUDE | EA5-76-BS 57 [°] 42.08' N 65 [°] 58.60' W | | DAY/MONTH/YEAR DATE21/9/76 TYPE OF STORAGE(check of the cold) DRY COLD FROZEN | | | |
|--------------------------|---|----------------|--|------------------|--|--|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | |
| Water Bucket 10 | Surface | | | | | |
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| Water Bucket 10 | Surface | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 10

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|-------------|
| H ₂ O | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/21/7 |
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| SHIP / LEG | SE | A5-76-BS | | | DAY/MONTH/YEA | R |
|------------------------|-----|--------------------------|------------------|--------------------|------------------|----------|
| LATITUDE | 05 | 8° 10.62' N | | DAT | E <u>21/9/76</u> | |
| LONGITUDE | -16 | 5 ⁰ 55.72' W | ··· · | TYP | E OF STORAGE(che | ck one) |
| STATION NO. | 01 | 1 | | | | |
| LINE NO. | | | | DR | Y COLD FROZ | EN |
| | | | | | | - |
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 11 | Surface | | | _ | |
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REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | • | SAMPLE NO: Water Bucket 1 |
|---------------------|---|---------------------------|
|---------------------|---|---------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------|------------|--------------|---|-------------|
| н ₂ о | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & | 9/21/70 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|-----------------------------|
| LATITUDE | 058 ⁰ 39.16' N | DATE <u>21/9/76</u> |
| LONGITUDE | -165° 52.84' W | TYPE OF STORAGE (check one) |
| STATION NO. | 012 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--|--------------------------|----------------|--------------------|------------------|
| Water Bucket 12 | Surface | | | |
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REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR:_ | SEA5-76-BS | | SAMPLE | NO: Water | Bucket 1 |
|-----------|------------|--|--------|-----------|----------|
|-----------|------------|--|--------|-----------|----------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ о | Surface | Dave Drake | USCS | Particle Wt. Combustible % Grain Size & Composition | 9/21/76 |
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| LATITUDE | A5-76-BS 9 ^O 07.70' N 5 ^O 49.96' W | | | DAY/MONTH/YEAR E21/9/76 E OF STORAGE(chect Y COLD FROZE | k one) |
|--------------------------|--|----------------|--------------------|---|--------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 13 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | |
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|---------------------|--|

SAMPLE NO: Water Bucket 13

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|--|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/21/76 |
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| LATITUDE _ | 05 -16 | EA5-76-BS 59 ^O 36.24' N 65 ^O 47.09' W | | | DAY/MONTH/YEAR E _21/9/76 E OF STORAGE(chec | - ck one) |
|----------------|-----------|---|----------------|--------------------|---|--------------|
| SAMPLE NO | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket : | 14 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | SAMPI | E NO: Water Bucket 14 |
|---------------------|-------|-----------------------|
|---------------------|-------|-----------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|--|--------------|---|---------|
| н ₂ о | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & | 9/21/76 |
| | | | | Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 06 | EA5-76-BS 50 [°] 04.78' N 55 [°] 44.21' W | | | DAY/MONTH/YEA E 21/9/76 E OF STORAGE (che | - ck one) |
|--|----|---|----------------|--------------------|---|--------------|
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 15 | Surface | | | | |
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REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 15

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|--|
| н ₂ о | Surface | Dave Drake | USCS | Particle Wt. Combustible % Grain Size & | 9/21/76 |
| 7 | | | | Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 06 | 2A5-76-BS 50 ^O 23.80' N 55 ^O 42.29' W | | | DAY/MONTH/YEAR E 21/9/76 E OF STORAGE(chec | k one) |
|--|----|---|----------------|--------------------|--|--------|
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 16 | Surface | | | | |
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REMARKS: Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 16

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/21/76 |
| | | | | Grain Size & Composition | |
| 4.3 | | | | | |
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| LATITUDE | SEA5-76-BS 060 ^O 30.14' N 165 ^O 41.65' W | | | DAY/MONTE E _21/9/76 E OF STORAGE Y COLD | ∍) |
|--------------------------|--|----------------|--------------------|--|--------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Underway Sam. 17 | 19 m | | | | |
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REMARKS:

Underway Sampler 17 - Recovered sessile bottom dwellers, barnacles, bryozoans and stalked tunicates. No sediment - possible rocky bottom.

| SHIP / LEG | SEA5-76-BS | ··· | | DAY/MON | TH/YEAR |
|-------------|----------------------------|------|-------|------------|---------------|
| LATITUDE | 060° 32.31' N | ···· | DAT | E21/9/7 | 16 |
| LONGITUDE | -165 ⁰ 41.36' W | | TYP | e of Stora | GE(check one) |
| STATION NO. | 018 | | | | |
| LINE NO. | | | DR | Y COLD | FROZEN |
| | | | | | |
| CAMOTE N | O TIMOODDECTIED | CORE | BASTC | AGE O | F |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Underway Sam. 18 | ? | | | |
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REMARKS:

Underway Sampler 18 - recovery of small amount of fine sand, shell fragments and tunicate polyps.

| LATITUDE o | EA5-76-BS 60 [°] 40.56' N .65 [°] 45.97' W | | | DAY/MONTH/YEAR E 21/9/76 E OF STORAGE (check Y COLD FROZE) | |
|--------------------------|--|----------------|--------------------|--|---|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 19 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 19

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ о | Surface | Dave Drake | uscs | Particle Wt. Combustible % Grain Size & Composition | 9/21/76 |
| 3) | | | | | |
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|-------------|---------------------------|-------------|-------|----------------|-------------|----|
| LINE NO. | | | DR | Y COLD | FROZEN | |
| STATION NO. | 020 | | | | | |
| LONGITUDE | -165° 59.97' W | | TYP | e of stora | GE(check or | ne |
| LATITUDE | 061 ⁰ 00.46' N | | DAT | E <u>22/9/</u> | 76 | |
| SHIP / LEG | SEA5-76-BS | | | DAY/MON | TH/YEAR | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 20 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 20

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/22/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 061 ⁰ 18.66' N | DATE <u>22/9/76</u> |
| LONGITUDE | -166 ⁰ 12.75' W | TYPE OF STORAGE (check one) |
| STATION NO. | 021 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 21 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 21

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|--|---|--|--------------|---|---------------------------------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & | 9/22/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | _ | 76-BS 37.50' N 24.75' W | | TY | DAY/MONT TE22/9/76 PE OF STORAG ORY COLD | <u> </u> | |
|--|---|-------------------------------|----------------|--------------------|---|----------|--|
| SAMPLE NO | | ORRECTED EPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 22 | Surface | | | |
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REMARKS:

| L | OCA | TOR: | SEA5-76-BS |
|---|-----|------|------------|
|---|-----|------|------------|

SAMPLE NO: Water Bucket 22

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/22/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | | | | DAY/MONTH/YEAR DATE | | |
|--------------------------|---|--------------------------|----------------|----------------------|------------------|--|
| SAMPLE NO. TYPE & ID. | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 2 | 3 | Surface | | | | |
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REMARKS:

| LOCATOR: SEA5-76-BS | |
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SAMPLE NO: Water Bucket 23

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/22/76 |
| | | | | Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 06 | EA5-76-BS 52 ⁰ 12.28' N 56 ⁰ 19.78' W | | | DAY/MONTO E 22/9/70 E OF STORAGO Y COLD | 5 | ıe) |
|--|----|---|--------|-----------|---|---|-----|
| CANDLE AND | | I B & CODDIVATION | CORE | BASIC | AGE OF | | |
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | LENGTH | LITHOLOGY | BOTTOM | | |
| Water Bucket | 24 | Surface | | | | | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 24

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/22/76 |
| | : | | | Grain Size & Composition | |
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| LATITUDE _ | 00 -10 | EA5-76-BS 62 ^O 22.06' N 66 ^O 04.46' W | | | DAY/MONTH/YEAR E 22/9/76 E OF STORAGE (check | one |
|------------------------|-------------|---|----------------|--------------------|--|-----|
| SAMPLE NO TYPE & ID | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 25 | Surface | | | | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 25

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/22/76 |
| | | | | Grain Size & Composition | |
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| LONGITUDE165 | 5-76-BS O 30.86' N O 49.44' W | ···· | | DAY/MONTH/YEAR E 22/9/76 E OF STORAGE(chec. X Y COLD FROZE | k one) |
|--------------------------|-------------------------------|----------------|--------------------|--|--------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 26 | Surface | | | | |
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REMARKS:

| LOCATOR: SEA5-76-BS | R: SEA5-76-BS |
|---------------------|---------------|
|---------------------|---------------|

SAMPLE NO: Water Bucket 26

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/22/76 |
| | | | | Grain Size & Composition | |
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| LATITUDE | EA5-76-BS 62 ^O 38.86' N 65 ^O 35.49' W | | | DAY/MONTH/YEAR E22/9/76 E OF STORAGE(checkx Y COLD FROZE | |
|--------------------------|---|----------------|--------------------|--|--|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 27 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 27

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/22/76 |
| | | | | Grain Size & Composition | |
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| | 26.82' W | | | DAY/MONTH/YEAR E 22/9/76 E OF STORAGE (check X COLD FROZEN | |
|--------------------------|--------------------------|----------------|--------------------|--|--|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOITIOM | |
| Water Bucket 28 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 28

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/22/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 062 ⁰ 50.22' N | DATE |
| LONGITUDE | -165 ⁰ 21.31' W | TYPE OF STORAGE (check one |
| STATION NO. | 029 | |
| LINE NO. | | DRY COLD FROZEN |
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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 29 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 29

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & | 9/22/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | | | DAY/MONT | H/YEAR |
|------------------------|-------------------------|-----|----|-------------------|--------------|
| LATITUDE _ | 062 ^O 53.38 | N N | DA | TE <u>22/9/76</u> | |
| LONGITUDE _ | -165 ⁰ 19.78 | W | ΥT | /PE OF STORAGI | E(check one) |
| STATION NO | 030 | | | | |
| LINE NO. | | | I | ORY COLD | FROZEN |
| | | | | | |
| SAMPLE NO TYPE & ID | | | | AGE OF BOTTOM | 1 |
| Water Bucket | 30 Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment, temperature and salinity (N2) analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 30

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surfaœ | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/22/76 |
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| | 062 ⁰ -165 ⁰ | | | | | DAY/MONTE 22/9/76 E OF STORAG Y COLD | 6 | one |
|------------------------|---------------------------------------|--------------------------|---|-------------|--------------------|--|---|-----|
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | ı | ORE VGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | |
| Water Bucket | 31 | Surface | | | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment, temperature and salinity analysis.
(N3)

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 31

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|-------------|--------------|-------------------------------|---------|
| | | Danie Danie | USGS | Particle Wt. Combustible % | 9/22/76 |
| н ₂ 0 | Surface | Dave Drake | USGS | Grain Size & | 3/22/10 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 02.00' N | DATE |
| LONGITUDE | -165 ⁰ 13.56' W | TYPE OF STORAGE (check one) |
| STATION NO. | 032 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 32 | Surface | | | |
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REMARKS:

Surface sample, underway. Suspended sediment, temperature and salinity analysis.

(N4)

LOCATOR: SEA5-76-BS

SAMPLE NO: <u>Water Bucket 32</u>

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/22/76 |
| | barrace | Dave Drate | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|----------------------------|
| LATITUDE | +063 ⁰ 6.96' N | DATE22/9/76 |
| LONGITUDE | -165 ⁰ 10.53'W | TYPE OF STORAGE (check one |
| STATION NO. | 033 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 33 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 33

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/22/76 |
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| LATITUDE _ | 06 -16 | EA5-76-BS 53 ⁰ 11.35' N 55 ⁰ 07.93' W | | DAY/MONTH/YEAR DATE 22/9/76 TYPE OF STORAGE (check or DRY COLD FROZEN | | | | |
|--------------------------|-----------|---|----------------|--|------------------|--|--|--|
| SAMPLE NO. TYPE & ID. | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | | |
| Water Bucket 3 | | Surface | | | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 34

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & | 9/22/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 063 ⁰ 18.00' N | DATE23/9/76 |
| LONGITUDE | -165 ⁰ 03.73' W | TYPE OF STORAGE (check one |
| STATION NO. | 035 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 35 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 35

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % | 9/23/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 22.74' N | DATE23/9/76 |
| LONGITUDE | -165° 00.75' W | TYPE OF STORAGE (check one) |
| STATION NO. | 036 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 36 | Surface | | | |
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|---|----|----|----|---|---|---|------------|

SAMPLE NO: Water Bucket 36

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|--|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & | 9/23/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 28.03' N | DATE |
| LONGITUDE | -165 [°] 03.30' W | TYPE OF STORAGE (check one) |
| STATION NO. | 037 | |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 37 | Surface | | | |
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REMARKS:

Suspended sediment and temperature analysis. Surface sample, underway.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 37

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/23/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 54.32' N | DATE23/9/76 |
| LONGITUDE | -165° 25.19' W | TYPE OF STORAGE (check one) |
| STATION NO. | 038 | |
| LINE NO. | | DRY COLD FROZEN |

| UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|----------------|--------------------|------------------|
| Surface | | | |
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REMARKS:

Suspended sediment and temperature analysis. Surface sample, underway.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 38

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ о | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/23/76 |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 06 | A5-76-BS 4 ^O 02.76' N 5 ^O 32.20' W | | | DAY/MONTH/YEA E 23/9/76 PE OF STORAGE(che | ck one |
|--|----|--|----------------|--------------------|---|--------|
| SAMPLE NO TYPE & ID | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |] |
| Water Bucket | 39 | Surface | | | | |
| | | | | | | |

REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 39

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|-------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Particle Wt. Combustible % Grain Size & Composition | 9/23/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|-------------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 0.84-0.77' N | DATE23/9/76 |
| LONGITUDE | -165° 30.87-30.98' W | TYPE OF STORAGE (check one) |
| STATION NO. | 040 | X |
| LINE NO. | | DRY COLD FROZEN |

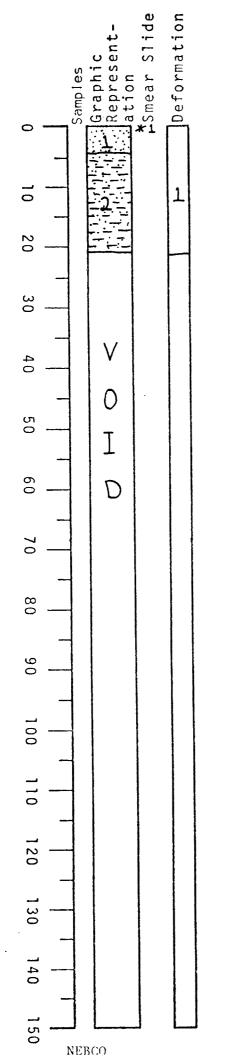
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Gravity Core 40A | 17.5 m | Sm. Recovery | | |
| Gravity Core 40B | 17.5 m | 20 cm | | |
| Van Veen 40C | 17.5 m | Recovery | | |
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REMARKS: Gravity Core 40A - small amount of silty mud on outside of barrel. Location: Lat. 64° 0.84' N, Long. -165° 30.87' W

Gravity Core 40B - recovered about 20 cm of silty mud. Top 2 cm very fine sand, below - sandy silt, mottled and bioturbated, bright red oxidized worm tube in muddy silt, last 4 cm. Location: Lat. 64° 0.77' N, Long. -165° 30.98' W

Van Veen 40C - large amount of silty mud with very fine sand. combination of chunks of sandy silt and muddy silt. Saved in garbage bag plus 6"/9" plastic bag. Location: Lat. 64 0.85' N, Long. -165 30.87' W

2 cm



VISUAL CORE DESCRIPTION

| | LOCATOR | | | | | | | SAMPLE NO. | | | | SI | ЕС. | | | |
|---|---------------|--|--|--|----|----|----|------------|---|---|-----|-----|-----|-----|---|--|
| s | S E A 5 - 7 6 | | | | | | G | 4 | 0 | | | | | | | |
| | S | | | | S٦ | A. | ΤI | 0 N | # | (| OBS | ER۱ | /ER | | | |
| | | | | | | | | | (| | 4 | 0 | | THN | 1 | |

- (1) Terrigenous very fine to fine sand, olive gray (5Y 3/2)
- (2) Terrigenous argillaceous, silty very fine sand, olive black (5Y 2/1)

LOCATOR: SEA5-76-BS

SAMPLE NO: Gravity Core 40B &

Van Veen 40C

| | | <u> </u> | T | 1 | |
|---------|----------|----------------|--------------|---------------------------|---------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 40B | Top | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
| 40B | Middle | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
| 40B | Base | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
| 40C | 0-5 in. | Ed Clukey | USGS | Engineering | 9/23/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|----------------------------|
| LATITUDE | 064 ⁰ 0.27-0.31'N | DATE <u>23/9/76</u> |
| LONGITUDE | -165 ^o 27.93-27.97'W | TYPE OF STORAGE (check one |
| STATION NO. | 041 | Х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Van Veen 41A | 17 m | Recovery | | |
| Gravity Core 41B | 17 m | No Recovery | | |
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REMARKS:

Van Veen 41A - recovered plastic bag full of mud, muddy silt with chunks of sandy silt. Location: Lat.64^O0.27'N, Long.165^O27.93'W

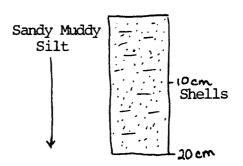
Gravity Core 41B - no recovery. Location: Lat.64^O0.31'N, Long.165^O27.97'W

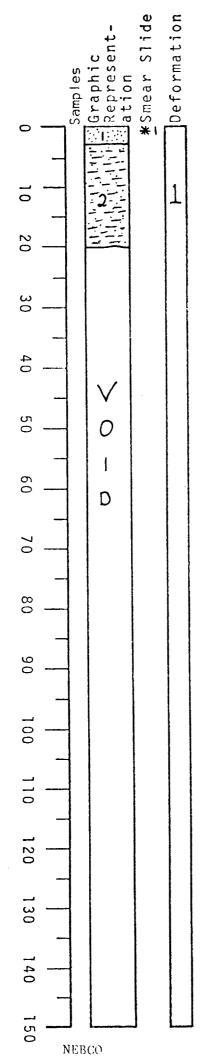
| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|----------------------------|
| LATITUDE | 063 ⁰ 59.26' N | DATE |
| LONGITUDE | -165° 29.42' W | TYPE OF STORAGE (check one |
| STATION NO. | 042 | x |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Gravity Core 42A | 17.5 m | 20 cm | | |
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REMARKS:

Gravity Core 42A - 20 cm recovery





VISUAL CORE DESCRIPTION

| | LOCATOR | | | | | | | S | SAMPLE NO. | | | | SI | ЕС. | | |
|---|---------|---|---|---|---|---|--|----------|------------|---|----|----------|----|-----|---|--|
| s | Е | Α | 5 | - | 7 | 6 | | G 4 2 A | | | ı. | | | | | |
| | | | | | | | | STATION# | | | | OBSERVER | | | | |
| | | | | | | | | | 0 | 4 | 4 | 2 | | THN | 1 | |

- (1) Terrigenous very fine to fine sand, olive gray (5Y 3/2)
- (2) Terrigenous argillaceous and silty very fine sand, olive black (5Y 2/1)

LOCATOR: SEA5-76-BS

SAMPLE NO: Gravity Core 42A

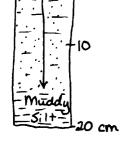
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|--|----------------|--------------|---------------------------|---------|
| | Top | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
| | Base | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------|----------------------------|
| LATITUDE | 063° 59.64-59.66' N | DATE23/9/76 |
| LONGITUDE | -165° 32.03-32.09' W | TYPE OF STORAGE (check one |
| STATION NO. | 043 | Х |
| LINE NO. | | DRY COLD FROZEN |

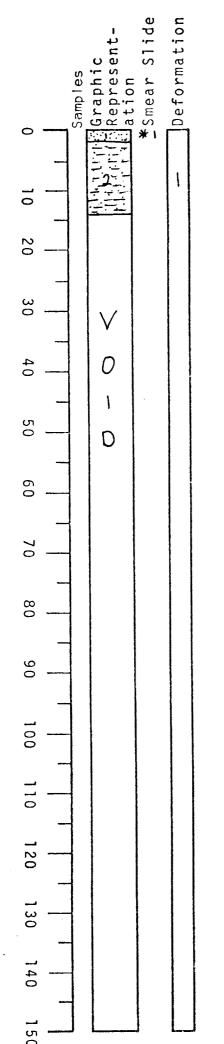
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOITOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Gravity Core 43A | 18 m | No recovery | | |
| Gravity Core 43B | 18 m | Recovery | | |
| Van Veen 43C | 22 m | Recovery | | |
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REMARKS: Gravity Core 43A - no recovery, Location: Lat. 063°59.65'N, Long. -165°32.08'W

-Gravity Core 43B - recovery of about 20 cm, Location: Lat. 063°59.66'N Long. -165°32.09'W (see sketch, left) Van Veen 43C - recovery of large amount of mud. Location: Lat. 063 59.64'N, Long. -165 32.03'W



Sandy Silt



VISUAL CORE DESCRIPTION

| LOCATOR | | | | | | | | S | AMI | ٦L | = | N (|). | SE | С. |
|---------|---|---|---|---|---|---|---|-------|-----|----|----|-----|-----|-----|-----|
| s | E | A | 5 | 1 | 7 | 6 | ; | | G | 4 | : | 3 | В | | 1 |
| | | | | | | | S | T A T | TI(| NC | ij | (| DBS | ER۱ | /ER |
| | | | | | | | | 0 | 4 | | 3 | | THN | | |

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- (1) Terrigenous very fine sand, olive gray (5Y 3/2)
- (2) Terrigenous argillaceous silt, olive black (5Y 2/1)

LOCATOR: SEA5-76-BS

SAMPLE NO: Gravity Core 43B

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|---------|----------|----------------|--------------|---------------------------|--------------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| Top | ~ 0 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
| Middle | ∼10 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
| Base | ~20 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/23/76 |
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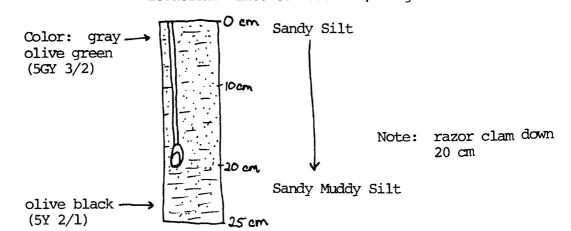
| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 ^O 55.08-55.03' N | DATE23/9/76 |
| LONGITUDE | -165 ^O 30.00-30.01' W | TYPE OF STORAGE (check one) |
| STATION NO. | 044 | x |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|---------------------------------------|--------------------|------------------|
| Van Veen 44A | 18 m | Recovery | | |
| Gravity Core 44B | 18 m | 25 cm | | |
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REMARKS: Van Veen 44A - recovery. Location: Lat. 63°55.08'N, Long. 165°30.00'W

Gravity Core 44B - recovery of about 10" or 25 cm of sediment.

Location: Lat. 63° 55.03'N, Long. 165° 30.01'W



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SEC

OBSERVER

В

THN

SMEAR SLIDE DESCRIPTION

| LOCATOR | SAMPLE NO. | SEC. | INTERVAL | STATION NO. | Dom. LITH. | Minor LITH. | OBSERVER |
|------------|------------|------|----------|-------------|---------------|----------------|----------|
| SEA5-76-BS | G44B | 1 | 1 cm | 044 | | Х | |

Sediment Name: Very Fine Sand

| sea ment | valle: <u>very rane</u> | Dark |
|------------|-------------------------|---------------|
| ABUNDANCE | TEXTURE | SPECIFIC DATA |
| 7 5 | Sand | |
| 15 | Silt | |
| 10 | Clay | |
| | COMPOSITION | |
| 55 | Quartz | |
| 20 | Feldspar | |
| | Mica | |
| 5 | Heavy Mnls. | |
| | Total Detrital | |
| 10 | Clay Mnls. | |
| | Volc. Glass | |
| | Palagonite | |
| | Chlorite | |
| 5 | Glauconite | |
| | Pyrite | |
| | Micro Nodules | |
| | Dolo. Rhombs | |
| | Zeolite | |
| | Auth. Carb. | |
| 3 | Rock Frags. | |
| 2 | Opaques | |
| | Foraminifera | |
| | Calc. Nannos | |
| | | |
| 1 | Diatoms | |
| | Radiolarians | |
| | Sponge Spic. | |
| | Silicoflag. | |
| | | |
| | Fish Remains | |
| | Plant Debris | |
| | | |

| PER- CENT | DETAILED MINERALOGY |
|------------------|---------------------|
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REMARKS:

DATA CODE LEGEND

Fossil preservation

G = good

M = moderate

P = poor

Abundance code 1% = TR (trace) 1-5% = R (rare)

5-25% = C (common)25-75% = A (abundant)

75% = D (dominant)

SMEAR SLIDE DESCRIPTION

| LOCATOR | SAMPLE NO. | SEC. | INTERVAL | STATION NO. | Dom. LITH. | Minor LITH. | OBSERVER |
|------------|------------|------|----------|-------------|---------------|----------------|----------|
| SEA5-76-BS | G44B | 0 | 25 cm | 044 | Х | | |

Sediment Name: Sandy Silty Clay

| ocarment i | tunc. | |
|------------|----------------|---------------|
| ABUNDANCE | TEXTURE | SPECIFIC DATA |
| 10 | Sand | |
| 3 5 | Silt | |
| 55 | Clay | |
| | COMPOSITION | |
| 28 | Quartz | |
| 5 | Feldspar | |
| 1 | Mica | |
| 3 | Heavy Mnls. | |
| | Total Detrital | |
| 50 | Clay Mnls. | |
| | Volc. Glass | |
| | Palagonite | |
| 3? | Chlorite | |
| 4? | Glauconite | |
| | Pyrite | |
| | Micro Nodules | |
| | Dolo. Rhombs | |
| | Zeolite | |
| | Auth. Carb. | |
| | Rock Frags. | |
| 3 | Opaques | |
| | Foraminifera | |
| | Calc. Nannos | |
| | | |
| 2 | Diatoms | |
| | Radiolarians | |
| · 1 | Sponge Spic. | |
| | Silicoflag. | |
| | | |
| | Fish Remains | |
| | Plant Debris | <u> </u> |
| 1 | | |

| PER- CENT | DETAILED MINERALOGY |
|--------------|---------------------|
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REMARKS:

Sub-angular to sub-rounded

DATA CODE LEGEND

Fossil preservation

G = good

M = moderate

P = poor

Abundance code

1% = TR (trace) 1-5% = R (rare)

5-25% = C (common)

25-75% = A (abundant)

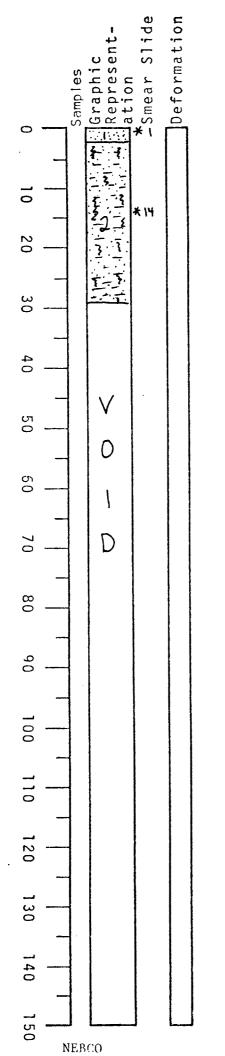
75% = D (dominant)

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 00.16' N | DATE23/9/76 |
| LONGITUDE | -165° 30.11' W | TYPE OF STORAGE (check one) |
| STATION NO. | 045 | X |
| LINE NO. | | DRY COLD FROZEN |

| UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|----------------|--------------------|----------------------------|
| 18 m | 12 in. | | |
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| | | | |
| | | | |
| | DEPTH (M) | DEPTH (M) LENGTH | DEPTH (M) LENGTH LITHOLOGY |

REMARKS:

Gravity Core 45A - recovery of approx. 12" of mud



VISUAL CORE DESCRIPTION

| LOCATOR | | | | | | | SAMPLE NO. | | | | SI | E C . | | | | |
|---------|---|---|---|---|---|---|------------|---|----|----|-----|-------|---|-----|-----|-------|
| | s | E | A | 5 | 1 | 7 | 6 | | | G | 4 | | 5 | A | | 1 |
| | | | | | | | | S | ΤA | ΤI | 01/ | # | | OBS | ER۱ | V E R |
| | | | | | | | | | 1 | 0 | 4 | 5 | ; | THN | | |

- (1) Terrigenous argillaceous, silty, very fine sand, olive gray (5Y 3/2, structureless
- (2) Terreigenous sandy argillaceous, silty, olive black (5Y 2/1, extensively burrowed

SMEAR SLIDE DESCRIPTION

| LOCATOR | SAMPLE NO. | SEC. | INTERVAL | STATION NO. | Dom. LITH. | Minor LITH. | OBSERVER |
|------------|------------|------|----------|-------------|---------------|----------------|----------|
| SEA5-76-BS | G45A | 1 | 1 cm | 045 | | Х | |

Sediment Name: Terrigenous argillaceous, silty, very fine sand

| Scarment 1 | valle | |
|---------------|-----------------|---------------|
| ABUNDANCE | TEXTURE | SPECIFIC DATA |
| 30 | Sand | |
| 35 | Silt | |
| 35 | Clay | |
| | COMPOSITION | |
| 40 | Quartz | |
| 20 | Feldspar | |
| < 1 | Mica | |
| 5 | Heavy Mnls. | |
| | Total Detrital | |
| 23 | Clay Mnls. | |
| | Volc. Glass | |
| | Palagonite | |
| TR | Chlorite | |
| TR? | Glauconite | |
| | Pyrite | |
| | Micro Nodules | |
| | Dolo. Rhombs | |
| | Zeolit e | |
| | Auth. Carb. | |
| 3 | Rock Frags. | |
| 2 | Opaques | |
| | Foraminifera | |
| | Calc. Nannos | |
| | | |
| 6 | Diatoms | р |
| TR | Radiolarians | P |
| 1 | Sponge Spic. | P |
| | Silicoflag. | |
| TR | Worm Tubes | G |
| | Fish Remains | |
| | Plant Debris | |
| | | |

| PER- CENT | DETAILED MINERALOGY |
|------------------|---------------------|
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REMARKS:

Sand-size clasts, angular to sub-rounded.

DATA CODE LEGEND

Fossil preservation

G = good

M = moderate

P = poor

Abundance code

<1% = TR (trace)

1-5% = R (rare)

5-25% = C (common) 25-75% = A (abundant)

75% = D (dominant)

SMEAR SLIDE DESCRIPTION

| LOCATOR | SAMPLE NO. | SEC. | INTERVAL | STATION NO. | Dom. LITH. | Minor LITH. | OBSERVER |
|------------|------------|------|----------|-------------|---------------|----------------|----------|
| SEA5-76-BS | G45A | 1 | 14 cm | 045 | Х | | |

Sediment Name: Terrigenous sandy, clayey silt

| Sediment I | Name: <u>Terrigero</u> | is sandy, crayey s |
|------------|------------------------|--|
| ABUNDANCE | TEXTURE | SPECIFIC DATA |
| 20 | Sand | |
| 45 | Silt | |
| 30 | Clay | |
| | COMPOSITION | 11_ |
| 30 | Quartz | |
| 10 | Feldspar | |
| 3 | Mica | Cs flakes |
| 3 | Hea√y Mnls. | |
| | Total Detrital | |
| 30 | Clay Mnls. | Aggregates |
| | Volc. Glass | |
| | Palagonite | |
| TR | Chlorite | |
| TR? | Glauconite | |
| | Pyrite | |
| | Micro Nodules | |
| | Dolo. Rhombs | |
| | Zeolit e | |
| | Auth. Carb. | |
| 5 | Rock Frags. | |
| 3 | Opaques | |
| | Foraminifera | |
| | Calc. Nannos | |
| | | |
| 7 | Diatoms | |
| TR | Radiolarians | |
| 1 | Sponge Spic. | |
| | Silicoflag. | |
| | | |
| | Fish Remains | |
| | Plant Debris | |
| | 1 | 1 1 |

| PER- CENT | DETAILED MINERALOGY |
|--------------|---------------------|
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REMARKS:

DATA CODE LEGEND

Fossil preservation

G = good

M = moderate

P = poor

Abundance code <1% = TR (trace) 1-5% = R (rare) 5-25% = C (common) 25-75% = A (abundant)

75% = D (dominant)

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 064 ⁰ 0.43-0.97' N | DATE23/9/76 |
| LONGITUDE | -165 ⁰ 29.46-28.94' W | TYPE OF STORAGE (check one |
| STATION NO. | 046 | х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Geoprobe 46A | 19 m | | | |
| Geoprobe 46B | ? | | | |
| Hand Grab 46D | 19 m | Recovery | | |
| TV-Videotape l | 18 m | | | |
| TV-Videotape 2 | | | | |
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REMARKS:

Geoprobe 46A and 46B - Emplacement of geoprobe (064°0.43'N, -165°29.77'W), brought geoprobe back up, emplaced again (064°0.97'N, -165°28.94'W). Ten minutes after settling on bottom, command buoy released prematurely. Acoustic release triggered accidently. Were able to "talk" to transponder for about first minute, but then nothing. Brought back up. Re-emplaced at 268/0357.

Hand Grab Sample 46D - Yukon mud taken off geoprobe leg once geoprobe back on deck. Location: Lat. $64^{\circ}0.46$ 'N, Long. $-165^{\circ}29.46$ 'W.

TV tape No. 1 - Location: Lat. 64⁰0.43'N, Long. -165⁰29.74'W (see Hans C. Nelson, USGS, for specific information)

TV tape No. 2 - Location: Lat. $64^{\circ}0.45$ 'N, Long. $-165^{\circ}29.74$ 'W (see Hans C. Nelson, USGS, for specific information)

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|-------------------------------|----------------------------|
| LATITUDE | 064 ⁰ 0.12-0.16' N | DATE <u>24/9/76</u> |
| LONGITUDE | -165° 28.67-28.80' W | TYPE OF STORAGE (check one |
| STATION NO. | 047 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 47A | 12 m | No recovery | | |
| Soutar Grab 47B | 1 2 m | Recovery | | |
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REMARKS:

Vibracore 47A - no recovery, lost core barrel, pulled from adapter head. Problems with vibracore winch. Location: Lat. 64^o0.12'N, Long. -165^o28.67'W

Soutar Van Veen 47B - Location: Lat. 64^O0.16'N, Long. -165^O28.80'W.

Size of Sample: 15 cm at center

Surface Color: 5Y 3/2, medium brown clay

Preservation: Good, some turbidity of H2O, surface slightly washed,

no worm burrows.

Sample is slightly disturbed, contains abundant fauna (crab legs).

LOCATOR: SEA5-76-BS SAMPLE NO: Soutar Grab 47B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|---------------------------------------|------------------|---------------|------------------------------|---------|
| 3201101 | 11111111111 | IVAPIL | ONGANT ZATTON | 1 814 032 | DATE |
| | unk. | Sandstrom/Kaplan | UCLA | Gas Sample | 9/24/76 |
| | unk. | Sandstrom/Kaplan | UCLA | Storage | 9/24/76 |
| | 0-2, 2-4 cm | Sandstrom/Kaplan | UCLA | Hydrocarbons | 9/24/76 |
| | unk. | Sandstrom/Kaplan | UCLA | Elemental C,N, S Analysis | 9/24/76 |
| | unk. | Keith Kvenvolden | uscs | Gas Sample | 9/24/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 9/24/76 |
| | unk. | John Newby | UC Berkeley | Engineering | 9/24/76 |
| | 0-5 cm | Ed Clukey | USGS | Engineering | 9/24/76 |
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| LATITUDE | DAY/MONTH/YE DA | | | | | |
|--------------------------|--|----------------|--------------------|------------------|--|--|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | |
| Water Bucket 48 | Surface | | | | | |
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REMARKS:

Surface sample. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 48

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/24/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|----------------------------|
| LATITUDE | 063 ⁰ 27.72-29.22'N | DATE24/9/76 |
| LONGITUDE | -163 ^O 52.39-56.34'W | TYPE OF STORAGE(check one) |
| STATION NO. | 049 | Х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Soutar Grab 49A | 7 m | Recovery | | |
| Water Bucket 49B | Surface | Recovery | | |
| Van Dorn 49C | 2 & 4 m | Recovery | | |
| Vibracore 49D | 7 m | No Recovery | | |
| Vibracore 49E | 7 m | 30 cm | | |
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REMARKS: -Soutar Van Veen 49A - sample relatively undisturbed, high strength gain near bottom. Surface color - 10Y 4/2. Size - 25 cm at center.

Preservation - surface good, water above turbid, several arthropods on surface. Location: $63^{\circ}27.72^{\circ}N$, $-163^{\circ}52.39^{\circ}W$

-Van Dorn Water Bottle 49C - samples at 2 and 4 meters. Location: 63°27.76'N, -163°52.54'W

-Vibracore 49D - no recovery, plate closed. Location: 63⁰28.76'N, -163^O55.07'W

-Vibracore 49E - recovery of about 30 cm. Location: 63⁰29.22'N, -163°56.34'W. Sample stiff at base.

⁻Water Bucket 49B - surface sample, suspended sediment and temperature analysis. Location: 63 27.72'N, -163 52.47'W

LOCATOR: SEA5-76-BS

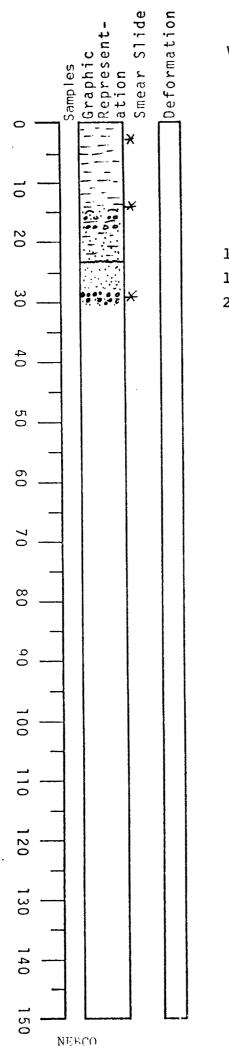
SAMPLE NO: Soutar Grab 49A

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|---------|-------------|-----------------------|--------------|-----------------------------|---------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| | unk. | Ed Clukey | USGS | Engineering | 9/24/76 |
| | unk. | Kaplan (c/o Sandstro | n) UCLA | Gas Sample | 9/24/76 |
| | unk. | Kaplan (c/o Sandstro | n) UCLA | Storage | 9/24/76 |
| | 0-2, 2-4 cm | Kaplan (c/o Sandstron | n) UCLA | Hydrocarbons | 9/24/76 |
| | unk. | Kaplan (c/o Sandstro | n) UCLA | Elemental C,N,S Analysis | 9/24/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 9/24/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 9/24/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: <u>Water Bucket 49B</u> and Van Dorn 49C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|--------------|---|---------------|-----------------------------------|--|
| | Surface, | 1 11 0 11. | JIOMIT ZATION | 1 | |
| H ₂ O | 2 & 4 meters | Dave Drake | USGS | Tot. Part. Wt., Combustible %, | 9/24/76 |
| | | | | Grain Size & | |
| <u> </u> | | | <u> </u> | Composition | |
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VISUAL CORE DESCRIPTION

| LOCATOR | | | | | | SAMPLE NO. | | | | S | EC. | | | | | |
|---------|---|---|---|---|---|------------|--|----|----------|---|-----|---|-----|-----|-----|---|
| s | E | Α | 5 | - | 7 | 6 | | | v | 4 | 9 | 9 | E | | | 1 |
| | · | | | | | | | S1 | STATION# | | | (| OBS | ER' | VER | |
| | | | | | | | | | 0 | 4 | 1 | 9 | CHN | | | |

0-13 cm Clayey Silt

13-15 cm Muddy sand, rare shell fragments

15-20 cm Muddy silt

20-30 cm Very tight over-compacted silt, black and rich in organic carbon. Silt layers and one sand layer (at base) with many fine shell fragments (medium to very fine sand).

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 49E

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|---------------|----------------------|-----------------|---------------------------|----------|
| Top | 0-3 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/24/76 |
| Top | 0-3 (?)cm | Hans C. Nelson | USGS | Paleontology | 9/24/76 |
| Тор | 5-7 (?)cm | Hans C. Nelson | USGS | Carbon | 9/24/76 |
| Top | 7-10 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/24/76 |
| Middle | 17-19 (?)cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/24/76 |
| Base | 23-25 (?)cm | Hans C. Nelson | USGS | Carbon | 9/24/76 |
| Base | 28-30 (?)cm | Hans C. Nelson | USGS | Paleontology | 9/24/76 |
| Base | 28-30 (?)cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/24/76 |
| Top | 0-10 (?) cm | Ed Clukey | USGS | Engineering | 9/24/76 |
| Middle | 14 (?) cm | Ed Clukey | USGS | Vane Shear | 9/24/76 |
| | (Engineering: | Triax. Shear, Vane S | near, Bulk phy. | prop., & water | content) |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 06 | A5-76-BS 3 [°] 35.32' N 4 [°] 13.02' W | | | DAY/MONTH/YEAR E 24/9/76 E OF STORAGE (checi | one) |
|--|----|--|----------------|--------------------|--|------|
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 50 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 50

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---------------------------------------|-------------|--------------|--|------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | |
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| LATITUDE _ | SEA5-76-BS 063 ^O 40.75' N -164 ^O 27.86' W 051 | | | DAY/MONTH/YEA E25/9/76 E OF STORAGE(che | ck one) |
|--------------------------|--|----------------|--------------------|---|---------|
| SAMPLE NO. TYPE & ID. | • | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 5 | Surface | | | | |
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REMARKS:

Surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 51

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|--------------|--------------|-------------------------------|---|
| Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| | | | Combustible % Grain Size | |
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| | · | | | Surface Dave Drake USGS Tot. Part. Wt. Composition Combustible % |

| LATITUDE . | 06 | A5-76-BS 3 ^O 44.88' N 4 ^O 39.17' W | | | DAY/MONTH E 25/9/76 E OF STORAGE Y COLD | |
|----------------|-----|--|--------|-----------|---|--|
| SAMPLE NO |). | UNCORRECTED | CORE | BASIC | AGE OF | |
| TYPE & ID | | DEPTH (M) | LENGIH | LITHOLOGY | BOTTOM | |
| Water Bucket 5 | 52 | Surface | | | | |
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REMARKS:

| LOCAT | TOR: | SEA5-76-BS | |
|-------|------|------------|--|
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SAMPLE NO: Water Bucket 52

| 0505151 | | | | Busses | |
|------------------|----------|---------------------------------------|--------------|-------------------------------|---------------------------------------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| | | | | Combustible % Grain Size | |
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| SHIP / LEG _ LATITUDE _ LONGITUDE _ STATION NO | 06. | A5-76-BS 3 [°] 50.82' N 4 [°] 55.42' W | | | DAY/MONTH/YEAR E _25/9/76 E OF STORAGE(chect | - |
|---|-----|--|----------------|--------------------|--|----------|
| LINE NO. | | | | DR | Y COLD FROZE | V |
| SAMPLE NO. TYPE & ID. | 1 | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 53 | Surface | | | |
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REMARKS:

| LOCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 53 |
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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| 4 | | | | Combustible % Grain Size | |
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| LATITUDE | SEA5-76-BS 063° 57.02' N 165° 12.39' W 054 | | | DAY/MONTH/YEAR E 25/9/76 E OF STORAGE(chect Y COLD FROZE |] |
|--------------------------|---|----------------|--------------------|--|---|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 54 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 54

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-----------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| - 4 | | | | Combustible % Grain Size | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | SEA5-76-BS 064 ^O 03.22' N -165 ^O 29.35' W 055 | | | DAY/MONTH/YEAR E25/9/76 E OF STORAGE(chected) RY COLD FROZE | - k one) |
|--|--|----------------|--------------------|---|-------------|
| SAMPLE NO TYPE & II | | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 55 Surface | | | | |

| Water Bucket 55 | Surface | | |
|-----------------|---------|--|--|
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REMARKS:

| LOCATOR: SEA5-76-BS | |
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SAMPLE NO: Water Bucket 55

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-----------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| | | | | Combustible % Grain Size | |
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| SHIP / LEG _ LATITUDE _ | SEA5-76-BS 064 ^O 09.93' N | | DAT | DAY/MONTH/YEAR 25/9/76 | - |
|----------------------------|---|----------------|--------------------|---------------------------|-------|
| LONGITUDE _ | -165 ⁰ 47.73' W | | TYP | E OF STORAGE(chec) | (one) |
| STATION NO | 056 | | | |] |
| LINE NO | | | DR | Y COLD FROZE | V |
| · | | | | | 1 |
| SAMPLE NO. TYPE & ID. | | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| | I | | 4 | | 2 |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 56 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 56

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| 2 | | | | Combustible % Grain Size | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ^O 15.62' N | DATE <u>25/9/76</u> |
| LONGITUDE | -166 ⁰ 03.27' W | TYPE OF STORAGE (check one) |
| STATION NO. | 057 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 57 | Surface | | | |
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REMARKS:

| LOCATOR: | SEA5-76-BS |
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SAMPLE NO: Water Bucket 57

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| <u> </u> | | | | Combustible % Grain Size | |
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| LATITUDE LONGITUDE STATION NO | SEA5-76-BS No Record 058 | | | DAY/MONTH/YEAR E OF STORAGE (chec) Y COLD FROZE | one) |
|-------------------------------|----------------------------|----------------|--------------------|---|------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
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REMARKS:

| LONGITUDE | SEA5-76-BS 064 ^O 28.02' N -166 ^O 37.20' W 059 | | | DAY/MONTH/YEAR E25/9/76 E OF STORAGE(chec | k one) |
|---|--|----------------|--------------------|---|--------|
| SAMPLE NO. TYPE & ID. Water Bucket 59 | UNCORRECTED DEPTH(M) Surface | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 59

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| | | | | Combustible % Grain Size | |
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| LATITUDE . | 06 | A5-76-BS 4 ^O 34.22' N 6 ^O 54.16' W | | | DAY/MONTH/YEAR E _25/9/76 E OF STORAGE(chec: Y COLD FROZE | - k one |
|---------------------------------------|----|--|----------------|--------------------|---|------------|
| SAMPLE NO | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 6 | 50 | | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 60

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | |
| 1120 | buriace | | | Combustible % Grain Size | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 064 ^O 40.41' N | DATE25/9/76 |
| LONGITUDE | -167 ⁰ 11.12' W | TYPE OF STORAGE (check one |
| STATION NO. | 061 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 61 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 61

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| 2 | - | | | Combustible % Grain Size | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 46.61' N | DATE25/9/76 |
| LONGITUDE | -167 ^O 28.09' W | TYPE OF STORAGE (check one) |
| STATION NO. | 062 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 62 | Surface | | | |
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REMARKS:

| LOCATOR: SEA5-76-BS | ے SA |
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| LUCATUR: SEAS-76-BS | u or |

SAMPLE NO: Water Bucket 62

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Composition | 9/25/76 |
| 4 | | | | Combustible % Grain Size | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 064 ^O 56.85' N | DATE <u>26/9/76</u> |
| LONGITUDE | -167 ⁰ 43.48' W | TYPE OF STORAGE(check one) |
| STATION NO. | 063 | |
| LINE NO. | | DRY COLD FROZEN |
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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 63 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 63

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/26/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 065 ⁰ 05.05' N | DATE26/9/76 |
| LONGITUDE | -167 ⁰ 28.47' W | TYPE OF STORAGE (check one |
| STATION NO. | 064 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 64 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 64

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/26/76 |
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| | 06 | A5-76-BS 5° 12.04' N 7° 06.34' W | | | DAY/MONTH/YEAR E26/9/76 E OF STORAGE(checomy) Y COLD FROZE | - ck one |
|------------------------|--|--|----------------|--------------------|--|-------------|
| LINE NO. | | | | Div | 110000 | _ |
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 65 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 65

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|----------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/26/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 15.00' N | DATE |
| LONGITUDE | -166 ⁰ 54.85' W | TYPE OF STORAGE (check one) |
| STATION NO. | 066 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 66 | Surface | | | |
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REMARKS:

| | OCA | TOR: | SEA5-76-BS |
|---|---------|------|------------|
| _ | ******* | | |

SAMPLE NO: Water Bucket 66

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/26/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 12.71' N | DATE26/9/76 |
| LONGITUDE | -167 ⁰ 15.75' W | TYPE OF STORAGE (check one) |
| STATION NO. | 067 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 67 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 67

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 9/26/76 |
| | | | | Composition | |
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| SHIP / LEG | SI | EA5-76-BS | | | | DAY/MON'I | H/YEAR | |
|-------------|----|--------------------------|------|------|--------|-----------|---------|------|
| LATITUDE | 06 | 50 06.22' N | | | DATE _ | 26/9/7 | 6 | • |
| LONGITUDE | | 57 ⁰ 38.01' W | | | TYPE C | OF STORAG | E(check | one) |
| STATION NO. | 06 | 58 | | | | | | |
| LINE NO. | | | | • | DRY | COLD | FROZEN | |
| | | | | | | | | |
| SAMPLE N | ο. | UNCORRECTED | CORE | BASI | - 1 | AGE OF | _ | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 68 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 68

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------------------------------------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible & Grain Size & Composition | 9/26/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR | | |
|-------------|----------------------------------|-----------------------------|--|--|
| LATITUDE | 065 ⁰ 06.54-06.60' N | DATE26/9/76 | | |
| LONGITUDE | -167 ^O 38.17-38.22' W | TYPE OF STORAGE (check one) | | |
| STATION NO. | 069 | X | | |
| LINE NO. | | DRY COLD FROZEN | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 69A | 17 m | 115 cm | | |
| Van Dorn 69B | 18 m | Recovery | | |
| Vibracore 69RC | 18 m | 130 cm | | |
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REMARKS: Vibracore 69A - 115 cm recovery. Some material poured out of bottom, sample of this was taken. Location: Lat. 65 6.54 N, Long. -167 38.22 W.

Van Dorn water sample 69B - sample from depth of 18 meters in water column. Location: Lat. 65°6.60'N, Long. -167°38.17'W... Suspended sediment and temperature analysis.

Vibracore 69C - 130 cm recovery. Location: Lat. $65^{\circ}6.60$ 'N, Long. $-167^{\circ}38.20$ 'W.

VISUAL CORE DESCRIPTION

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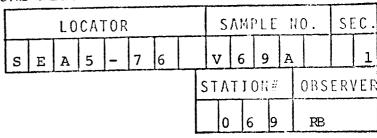
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(1) Medium Grained Sand, yellowish gray (5Y 7/2), unconsolidated sand. Primarily quartzose with about 5% darkies. Well sorted and medium grain size modal. Clasts range from well rounded to sub-angular, sub-angular most common. Inclusions in quartz grains abundant. Vague sub-parallel laminae in lower 1/4 of upper section. Sparse granules of sub-rounded metamorphic rock fragments. Sub-rounded metamorphic rock pebble at 64 cm, 3.25 cm in length. Small fragments of shell common. Two intact clam shells (inarticulated) at 2 cm and 45 cm. They show relatively little abraision. Iron oxide stains at 55 cm may be biogenic in nature. Many quartz grains show pre-depositional iron stains.

(2) Medium grained Sand, greyish olive green (5GY 3/2) unconsolidated medium grained quartzose sand. Very similar lithology to (1). Dark color from reduced ferro-mags. No FeO stains in this section.

Core contains few structures. Contact between (1) and (2) is gradational. Appears to be Ch-pH chemical boundary. No apparent lithology differences between (1) and (2).

Subsamples: 45 & 90 cm - texture and mineralogy 105 cm - Pb₂₁₀ dating

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 69A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------|----------|----------------|--------------|---------------------------|---------|
| 1 | 45 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | 90 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | 105 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/26/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 69B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---------------------------|---|--------------|--|---------------------------------------|
| н ₂ 0 | 18 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/26/76 |
| | in H ₂ O Colum | n | | Combustible % Grain Size & Composition | |
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VISUAL CORE DESCRIPTION

| | LOCATOR | | | | | s A | MI |) L E | N | 0. | SI | С. | | | |
|--|---------|---|---|----|----|-----|-----|-------|-----|-----|-----|----|-----|--|---|
| | s | E | A | 5 | - | 7 | 6 | V | | 6 | 9 | С | | | 1 |
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| | | | | | | | | | 0 | 6 | 9 | | RHB | | |

- (1) Medium Grained Sand, pale olive colored (10Y 6/2), medium grained quartzose sand. Poorly consolidated, well sorted. Grain size ranges from fine to very coarse. Majority of grains are sub-angular to sub-rounded. Range from angular to well rounded with high sphericity. Well rounded grains are primarily rock fragments. Many metamorphic rock fragments. Many quartz grains contain inclusions and cavities. Sparse granules and pebbles of garnet-ferous schist, greenstone, slate and quartz occur throughout. Maximum clast size (rounded quartz) 1 cm diameter. Both rounded and angular clasts present. Angular shell fragments (less than 0.5 cm) are scattered in the core. Rare pebbles up to 2 cm in diameter. No internal structure is apparent.
- (2) Medium Grained Sand, olive gray colored (5Y 3/2)

 medium grained quartzose sand. Distinguished from
 upper unit by its color and increased concentration of
 black, low-grade metamorphic shale clasts. Clasts
 range in size from very coarse sand (2.0 mm) to pebbles
 (4 mm) and are sub-rounded to rounded.

The contact between (1) and (2) is gradational and appears to be a redox interface with the lower unit undergoing reduction. No deformation is noted.

Subsamples: Paleontology at 2 and 100 cm
Pb₂₁₀ Dating at approx. 105 cm

Texture and mineralogy at about 25, 40, 87

and 97 cm.

Note: Core 69C appears to be a repeat of 69A

LOCATOR: SEA5-76-BS SAMPLE NO: Vibracore 69C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|---------|
| 01 | 2 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~25 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~40 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~87 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~97 cm | Hans C. Nelson | USCS | Texture and Mineralogy | 9/26/76 |
| | 100 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~105 cm | Hans C. Nelson | USGS | Pb Dating | 9/26/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 05.95-06.00' N | DATE <u>26/9/76</u> |
| LONGITUDE | -167 [°] 40.06-40.25' W | TYPE OF STORAGE (check one) |
| STATION NO. | 070 | x |
| LINE NO. | | DRY COLD FROZEN |

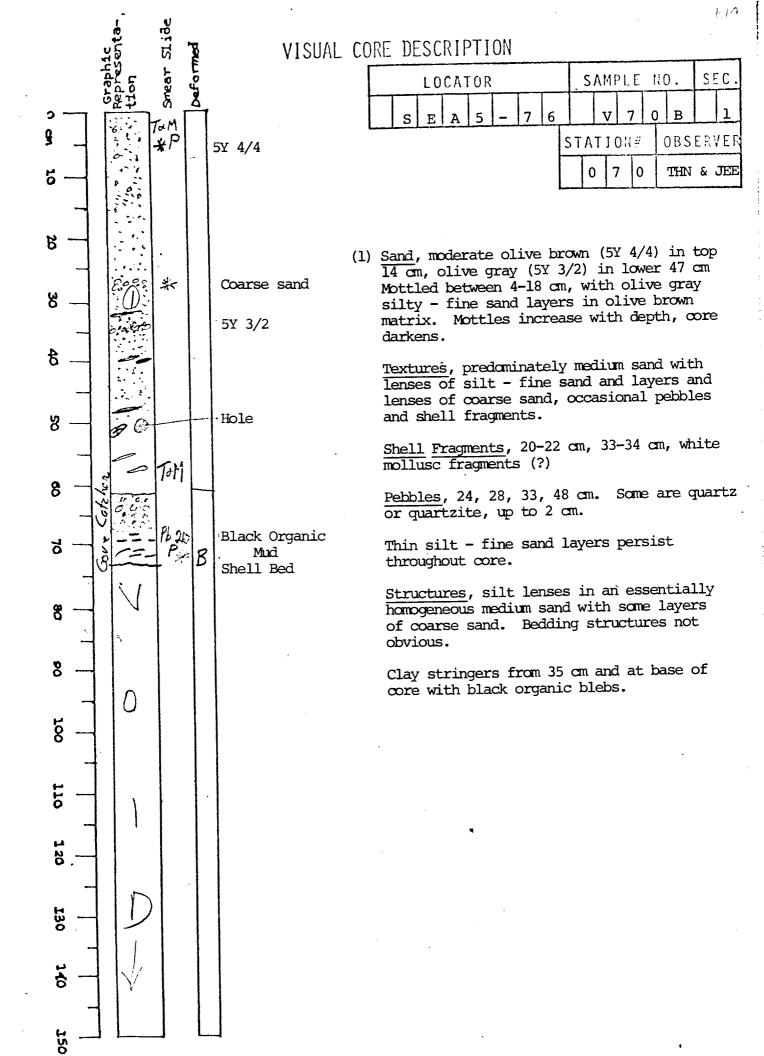
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 70A | 31 m | No recovery | | |
| Vibracore 70B | 31 m | 71 cm | | |
| Van Dorn 70C | 28 m | Recovery | | |
| Soutar Grab 70D | 31 m | Recovery | | |
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REMARKS: Vibracore 70A - no recovery, barrel pulled off, winch failed to operate. Location: Lat. 65°6.00' N, Long. -167°40.06' W.

Vibracore 70B - recovery of about 71 cm. Location: Lat. 65°5.97'N, Long. -167°40.25'W.

Van Dorn Water sample 70C - sample from about 28 meters in water column. Suspended sediment and temperature analysis. $65^{\circ}5.95'N$, $-167^{\circ}40.19'W$.

Soutar Van Veen 70D - recovery of about 28 cm of sandy silt. Reduction (black + S $^-$) at about 7-8 cm. Lots of organisms - king crab, clam, polychete peanut worm ?, isopods ?. Preservation of sample: surface undisturbed, overlying water not turbid. Color of surface 10Y 5/4 (wet). Location: Lat. 65°5.96' N, Long. -167°40.23' W.



LOCATOR: SEA5-76-BS

SAMPLE NO: <u>Vibracore 70B</u>

| 1 | | | | | T |
|---------|-------------|----------------|--------------|---------------------------|----------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 1 | ~ 2 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~ 5 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~57 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~70 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/26/76 |
| | ~71 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~71 cm | Hans C. Nelson | USGS | Benthic Org. | 9/26/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 70C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---------------------------|------------|--------------|------------------------------|---------|
| Н ₂ О | 28 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % | |
| | in H ₂ O Colum | | | Grain Size & Composition | 3,20,10 |
| | | | | Camposition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 70D

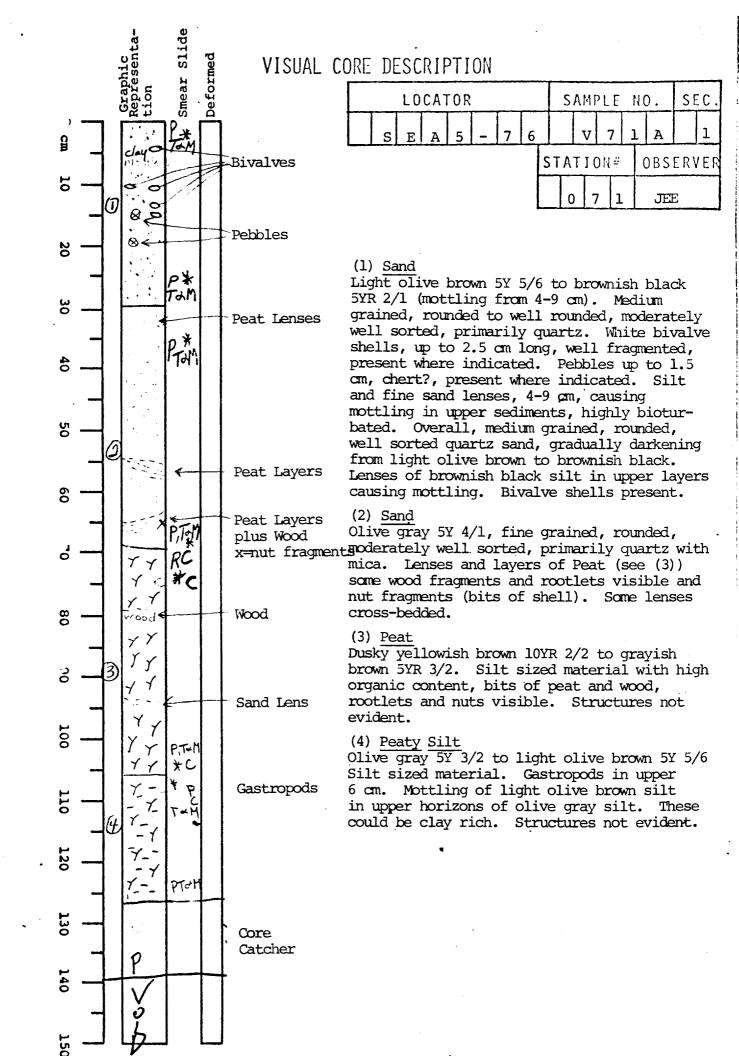
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|-----------------------|--------------|-----------------------------|---------|
| | 0-4 cm | Kaplan (c/o Sandstrom | UCLA | Hydrocarbons | 9/26/76 |
| | 0-4 cm | Kaplan (c/o Sandstrom | UCLA | Storage | 9/26/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/26/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ? | Kaplan (c/o Sandstrom | UCLA | Elemental C,N S Analysis | 9/26/76 |
| | ? | Keith Kvenvolden | USGS | Reference Sample | 9/26/76 |
| | ? | Kaplan (c/o Sandstrom |) UCLA | Gas Sample | 9/26/76 |
| | ? | Keith Kvenvolden | USGS | Gas Sample | 9/26/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|----------------------------|
| LATITUDE | 065 ⁰ 05.02' N | DATE26/9/76 |
| LONGITUDE | -167° 43.40' W | TYPE OF STORAGE (check one |
| STATION NO. | 071 | х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 71A | 34 m | 137 cm | | |
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REMARKS:

Vibracore 71A - recovery of approx. 137 cm.



LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 71A

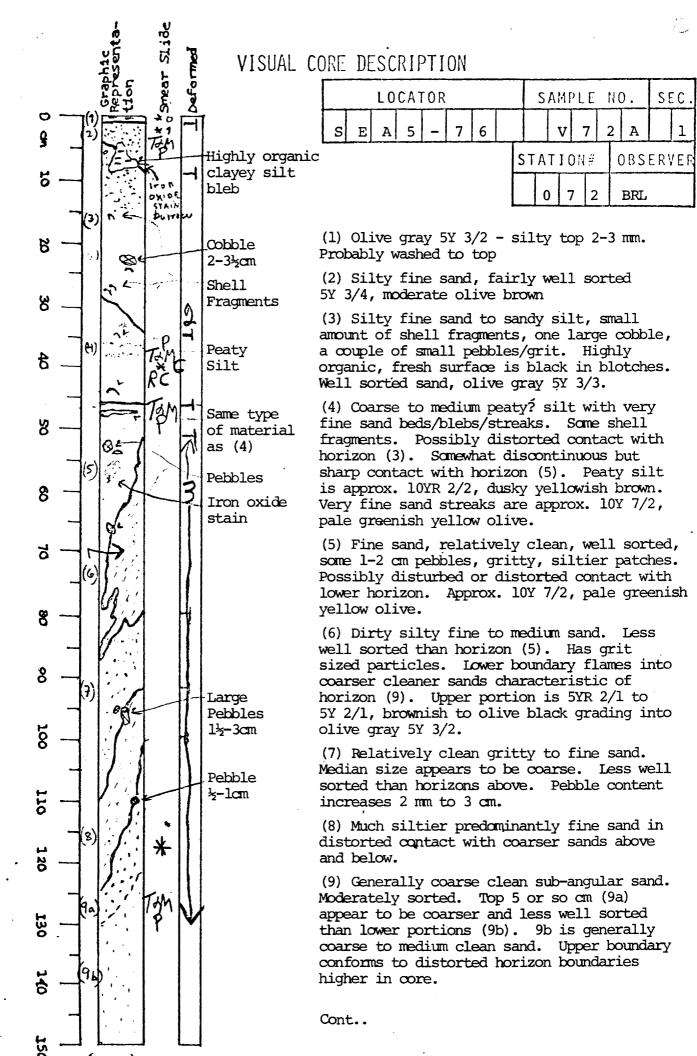
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|----------------|---------------------------|---------|
| | | | ONO/INTEXT FOR | 1 014 032 | DATE |
| 1 | ~ 2 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~ 2 cm | Hans C. Nelson | USGS · | Texture and Mineralogy | 9/26/76 |
| | ~26 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~26 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~-68 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~68 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~ 74 cm | Hans C. Nelson | USGS | Carbon | 9/26/76 |
| | ~74 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 9/26/76 |
| | ~104 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~104 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~104 cm | Hans C. Nelson | USGS | Carbon | 9/26/76 |
| | ~107 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~ 107 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~107 cm | Hans C. Nelson | USGS | Carbon | 9/26/76 |
| | ~125 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~125 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
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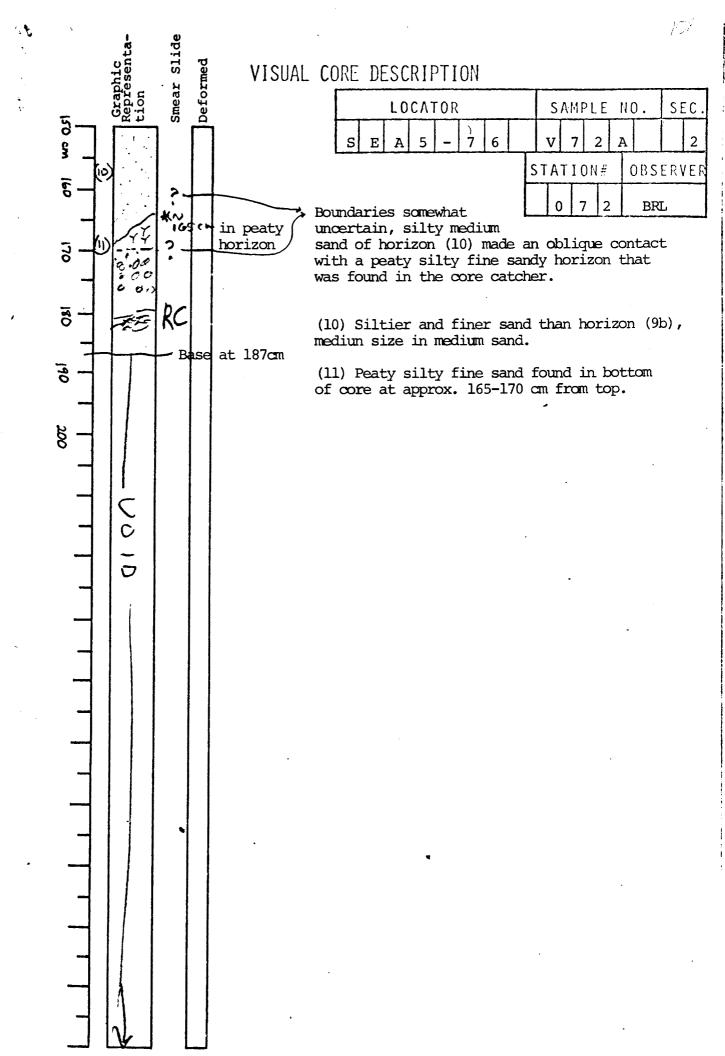
| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 065 ⁰ 07.85' N | DATE |
| LONGITUDE | -167 ⁰ 35.75' W | TYPE OF STORAGE(check one) |
| STATION NO. | 072 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 72A | 31 m | 195 cm | | |
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REMARKS:

Vibracore 72A - recovery of about 195 cm





LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 72A

| SECTION | INTERVAL | NAME | Toposius seriou | T | T |
|---------|----------|----------------|-----------------|---------------------------|---------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 1 | ∼lam | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~ 1 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~40 cm | Hans C. Nelson | USGS | Mineralogy & Texture | 9/26/76 |
| | ~ 40 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~40 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 9/26/76 |
| | ~ 40 cm | Hans C. Nelson | USGS | Carbon | 9/26/76 |
| | ~46 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| | ~46 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ∼126 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/26/76 |
| | ~126 cm | Hans C. Nelson | USGS | Paleontology | 9/26/76 |
| 2 | ~180 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 9/26/76 |
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| LATITUDE | SEA5-76-BS 065 [°] 02.47' N -167 [°] 51.32' W 073 | | | DAY/MONTH/YEA E _26/9/76 E OF STORAGE(che | — ck one) |
|--------------------------|--|----------------|--------------------|---|--------------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 73 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 73

16:

STATION NO: ___073

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|------------------------------|------------|--------------|---------------------------------|---------------------------------------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/26/76 |
| 11.70 | D L L L L L L L L L L | Dave Drake | 0500 | Grain Size & | 3/20/10 |
| | | | | Composition | |
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| LATITUDE | SEA5-76-BS 065 ⁰ 00.91' N -168 ⁰ 01.64' W 074 | | | DAY/MONTH/YEA E _26/9/76 E OF STORAGE(che Y COLD FROZ | ck one) |
|--------------------------|--|----------------|--------------------|--|---------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 74 | 4 Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 74

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|---|--------------|---------------------------------|------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | |
| | | | | Grain Size & Composition | |
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| LATITUDE | SEA5-76-BS 065 ⁰ 00.42' N 168 ⁰ 08.89' W | | | DAY/MONTH/YEAR E27/9/76 E OF STORAGE(chec: | - k one) |
|--------------------------|--|----------------|--------------------|--|-------------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 75 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 75

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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|------------------------|-----|--------------------------|--|--------------------|------------------|--|
| SHIP / LEG | S | EA5-76-BS | ************************************** | | DAY/MON'IT | I/YEAR |
| LATITUDE | 0 | 65 ⁰ 05.18' N | | DAT | E <u>27/9/76</u> | <u>: </u> |
| LONGITUDE | -10 | 58 ^O 05.08' W | | TYP | E OF STORAGE | (check one |
| STATION NO. | 0 | 76 | | | | |
| LINE NO. | | | | DR | Y COLD | FROZEN |
| | | | | | | |
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|---|--------------------|------------------|
| Water Bucket 76 | Surface | | | |
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REMARKS:

| LOCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket |
|---------------------|-------------------------|
|---------------------|-------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-----------------------------|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. | 9/27/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 08.45' N | DATE <u>27/9/76</u> |
| LONGITUDE | -167 ⁰ 49.37' W | TYPE OF STORAGE (check one) |
| STATION NO. | 077 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 77 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 77

11/2

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|----------|
| Н ₂ О | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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| LATITUDE | SEA5-76-BS 065 ⁰ 13.64' N 067 ⁰ 29.40' W | | | DAY/MONTH/YEA E _27/9/76 PE OF STORAGE(che | eck one) |
|-----------------------------|--|----------------|--------------------|--|----------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| TYPE & ID. Water Bucket 78 | DEPTH(M) Surface | LENGTH | LITHOLOGY | BOTTOM | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 78

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------------------------------------|----------|---|--------------|-----------------------------|---------------------------------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. | 9/27/76 |
| · · · · · · · · · · · · · · · · · · · | | | | Grain Size & Composition | |
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| LATITUDE 065 | A5-76-BS 5° 19.64' N 7° 03.66' W | | | DAY/MONTH/YEZ E 27/9/76 E OF STORAGE (che | eck one) |
|--------------------------|--|----------------|--------------------|---|----------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 79 | Surface | | | | |

REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 79

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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| LATITUDE | SEA5-76-BS 065 ^O 17.26' N 167 ^O 20.38' W 080 | | | DAY/MONTH/YEA E 27/9/76 E OF STORAGE(che | ck one) |
|--------------------------|---|----------------|--------------------|--|---------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 80 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 80

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-----------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. | 9/27/76 |
| | | | | Grain Size & Composition | |
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| LATITUDE | SEA5-76-BS 065° 08.94' N -167° 29.20' W 081 | | | | • |
|--------------------------|--|----------------|--------------------|------------------|---|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 81 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 81

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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| SHIP / LEG | SEA5-76-BS | ············ | | DAY/MON | TH/YEAR | |
|-------------|--|--------------|-------|----------------|----------|-----|
| LATITUDE _ | 065 ⁰ 17.18' N | | DAT | E <u>27/9/</u> | 76 | |
| LONGITUDE _ | -167 ⁰ 41.70' W | | TYP | e of Stora | GE(check | one |
| STATION NO. | 082 | | | | | |
| LINE NO. | | | DR | Y COLD | FROZEN | |
| · | | | | | | |
| CINETE IN | The Control of the Co | CODE | PACTO | ACE O | F | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 82 | Surface | | | |
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REMARKS:

| LOCATOR: | SEA5-76-BS |
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SAMPLE NO: Water Bucket 82

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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| LATITUDE | SEA5-76-BS 065 ^O 21.90' N -167 ^O 39.34' W 083 | | | DAY/MONTH/ E <u>27/9/76</u> E OF STORAGE() Y COLD F | |
|--------------------------|--|----------------|--------------------|--|-------------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 83 | Surface | | | | |
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REMARKS:

| LOCATOR: SEA5-76-BS | |
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SAMPLE NO: Water Bucket 83

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-----------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. | 9/27/76 |
| · | | | | Grain Size & Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. | 06 | FA5-76-BS 55 [°] 15.31' N 57 [°] 56.79' W | | | DAY/MONTH/YEAR E 27/9/76 E OF STORAGE(chect | - |
|---|-------------|---|----------------|--------------------|---|---|
| LINE NO. | | | | DR | Y COLD FROZE | N |
| SAMPLE NO | | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 84 | Surface | | | | |
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REMARKS:

| LOCATOR: | SEA5-76-BS |
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SAMPLE NO: Water Bucket 84

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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| LATITUDE <u>06</u> | A5-76-BS 5 [°] 20.61' N 8 [°] 10.54' W | | | DAY/MONTH/YEE | |
|--------------------------|--|----------------|--------------------|------------------|-------------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 85 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 85

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/27/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 36.67' N | DATE |
| LONGITUDE | -168 ^O 13.71' W | TYPE OF STORAGE (check one) |
| STATION NO. | 086 | |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 86 | Surface | | | |
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REMARKS:

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| LOCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 86 |
|---------------------|----------------------------|
|---------------------|----------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/27/76 |
| · | | | | Grain Size & Composition | |
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| SHIP / LEG | S | EA5-76-BS | | | DAY/MON | TH/YEAR | |
|-------------|----|--------------------------|---------------------------------------|-------|-----------------|-----------|-----|
| LATITUDE | 0 | 65 ⁰ 42.16' N | · · · · · · · · · · · · · · · · · · · | DAT | E <u>28/9/7</u> | 6 | - |
| LONGITUDE | | 68 ⁰ 10.49' W | | TYP | E OF STORA | GE (check | one |
| STATION NO. | 0 | 87 | | | | | |
| LINE NO. | | | | DR | Y COLD | FROZEN | ĺ |
| | | | | | | | |
| SAMPLE N | 0. | UNCORRECTED | CORE | BASIC | AGE O | F | |

| UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|----------------|--------------------|----------------------------|
| Surface | | | |
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| | DEPTH (M) | DEPTH (M) LENGTH | DEPTH (M) LENGTH LITHOLOGY |

REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 87

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/28/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 45.98-46.00' N | DATE28/9/76 |
| LONGITUDE | -168° 5.48-5.55' W | TYPE OF STORAGE (check one) |
| STATION NO. | 088 A-D | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Soutar Grab 88A | 6 m | Recovery | | |
| Soutar Grab 88B | 6 m | Recovery | | |
| Van Dorn 88C | 6 m | Recovery | | |
| Soutar Grab 88D | 6 m | Recovery | | |
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REMARKS:

Soutar Van Veen 88A - recovered some but much washed out, will resample. Location: 65° 45.98' N, -168° 05.48' W

Soutar Van Veen 88B - recovered some but still not intact, sending down again. Location: 65° 45.98' N, -168 05.55' W

- Van Dorn 88C - water sample from near bottom (6 meters). Suspended sediment and temperature analysis. Location: 65 45.99' N, -168 05.55' W

Soutar Van Veen 88D - recovered fine sand only, fauna Copepods, Color 5GY 3/2, size is 10 cm on sides, completely washed in center, no surface features, bulk sample only. Location: 65 46.00' N, -168 05.52'W

Continued...

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|----------------------------|
| LATITUDE | 065° 45.98-46.14' N | DATE |
| LONGITUDE | -168 ⁰ 05.49-6.07' W | TYPE OF STORAGE (check one |
| STATION NO. | 088 E-G | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 88E | 6 m | 60 cm | | |
| Vibracore 88F | 6 m | 152 cm | | |
| Water Bucket 88G | Surface | | | |
| TV Drop No. 3 | | | | |
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REMARKS:

Vibracore 88E - 60 cm recovered, most washed out, some saved. Location: 065° 46.01' N, -168° 6.07' W

Vibracore 88F - approx. 193 cm penetration, 152 cm retained. Winch locked to frame so vibrated to release and core compacted about 5 to 10 cm. Core is mostly fine sand. Location: 065 46.14' N, -168 5.66' W

Water Bucket 88G - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 45.98' N, -168° 05.49' W

TV Drop No. 3 - see Hans C. Nelson for specific information (USGS).

LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 88C

Water Bucket 88G

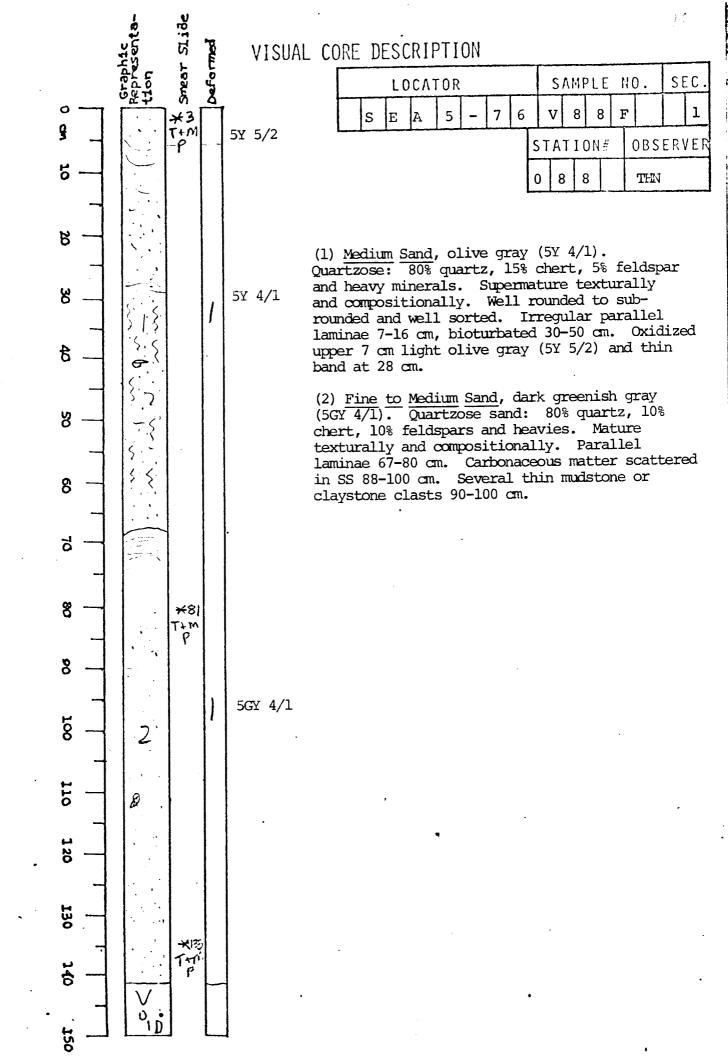
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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|---------------------------------------|------------|--------------|--|---------|
| 88C | 6 meters in H ₂ O Colum | Dave Drake | USCS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/28/76 |
| 88G | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/28/76 |
| | | | | Grain Size & Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 88D

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|---------|----------|------------------|--------------|--------------------------|---------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| | unk. | Kaplan/Sandstrom | UCLA | Hydrocarbons | 9/28/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Sample | 9/28/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/28/76 |
| | unk. | Hans. C. Nelson | USGS | Trace Metals | 9/28/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 88F

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|----------|
| 1 | 3cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/28/76 |
| | 3 cm | Hans C. Nelson | USGS | Paleontology | 9/28/76 |
| | 81 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/28/76 |
| | 81 cm | Hans C. Nelson | USGS | Paleontology | 9/28/76 |
| | 135 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/28/76 |
| | 135 cm | Hans C. Nelson | USGS | Paleontology | 9/28/76 |
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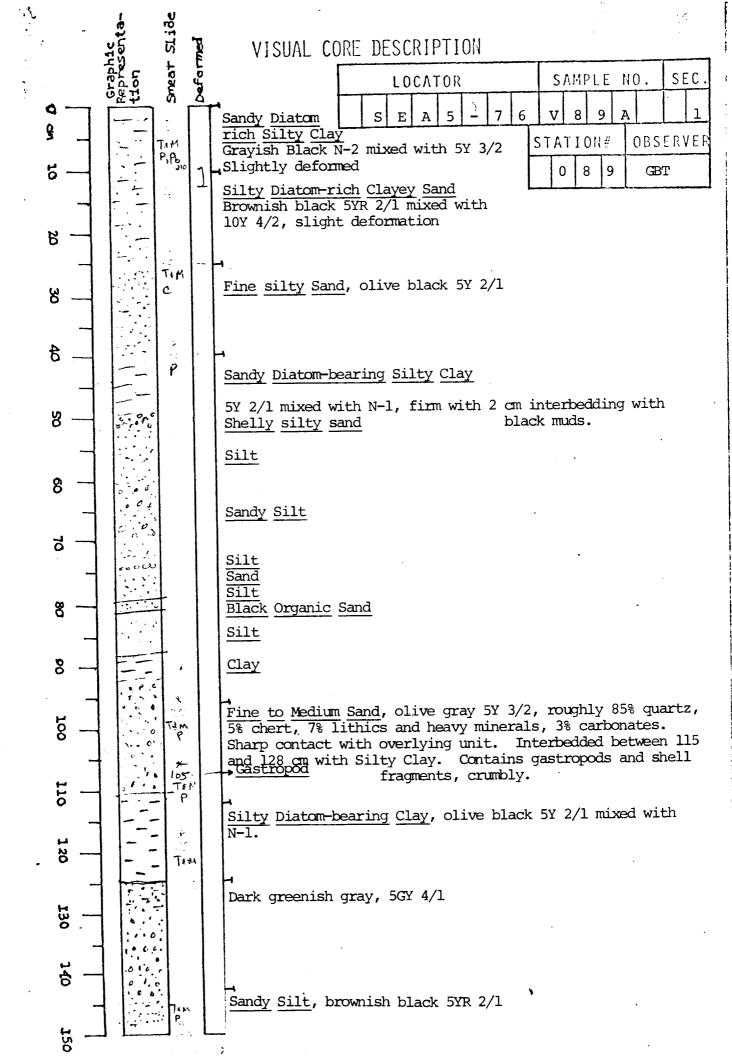
| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 42.91-42.87' N | DATE28/9/76 |
| LONGITUDE | -168° 10.18-10.16' W | TYPE OF STORAGE (check one) |
| STATION NO. | 089 | Х |
| LINE NO. | | DRY COLD FROZEN |

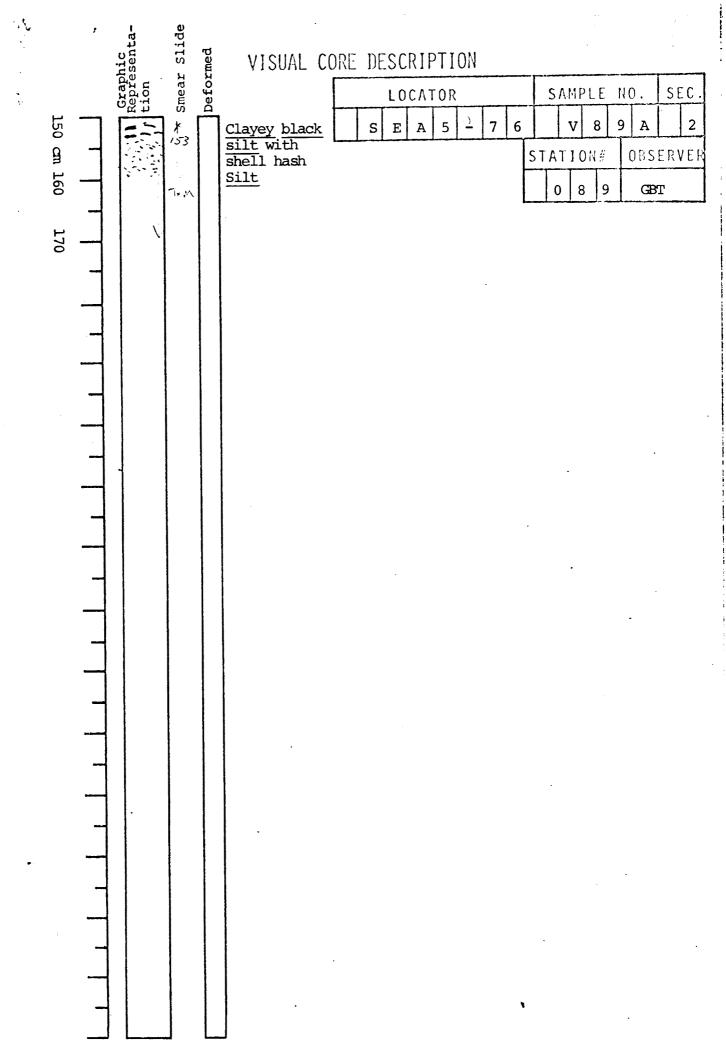
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 89A | 26 m | 180 cm | | |
| Water Bucket 89B | Surface | | | |
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REMARKS:

Vibracore 89A - 180 cm recovered, mnd, high organic content. Location: 65° 42.91' N, -168 10.18' W

Water Bucket 89B - surface sample, underway. Suspended sediment and temperature analysis. Location: 65 42.87' N, -168 10.16' W





LOCATOR: SEA5-76-BS SAMPLE NO: Vibracore 89A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|---------|
| 1 | 3 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 3 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
| | 3 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/29/76 |
| | 26 cm | Hans C. Nelson | USGS | Carbon | 9/29/76 |
| | 26 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
| | 40 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 100 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 100 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
| | 110 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
| | 110 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 120 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
| | 146 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
| | 146 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| 2 | 158 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| 2 | 158 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/29/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 89B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/28/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 38,95' N | DATE |
| LONGITUDE | -168 ⁰ 15.74' W | TYPE OF STORAGE (check one) |
| STATION NO. | 090 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Van Dorn 90 | 43 m | Recovery | | |
| Van Dorn 90 | 37 m | Recovery | | |
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REMARKS:

Van Dorn water samples 90 - 2 water samples taken at 43 m and 37 m in water column. Suspended sediment, salinity and temperature analysis. Surface water sample also taken.

LOCATOR: SEA5-76-BS SAMPLE NO: Van Dorn 90

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---|------------|--------------|---|---------|
| н ₂ 0 | 43 & 37 m in H ₂ O Column | Dave Drake | USCS | Tot. Part. Wt. Combustible % Grain Size & | 9/28/76 |
| | 2 | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | ····· | | DAY/MON | TH/YEAR | |
|-------------|----------------------------|-------|-------|-----------------|----------|------|
| LATITUDE | 065 ⁰ 20.46' N | | DAT | E <u>29/9/7</u> | 76 | |
| LONGITUDE | -167 [°] 20.51' W | | TYP | e of Stora | GE(check | one) |
| STATION NO. | 091 | | | | | |
| LINE NO. | | | DR | Y COLD | FROZEN | |
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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 91 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 91

| SECTION | INTERVAL | NAME | ORGANIZATION PURPOSE | | DATE |
|------------------|----------|-------------|----------------------|---------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/29/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SI | A5-76-BS | ···· | | DAY/MON | TH/YEAR | |
|-------------|----|--------------------------|------|-------|----------------|----------|-----|
| LATITUDE | 06 | 55° 22.42' N | | DAT | E <u>29/9/</u> | | • |
| LONGITUDE | | 57 ⁰ 18.14' W | | TYP | e of Stora | GE(check | one |
| STATION NO. | 09 |)2 | | | | | |
| LINE NO. | | | | DR | Y COLD | FROZEN | |
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| SAMPLE N | ο. | UNCORRECTED | COR | BASIC | AGE O | | |

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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 92 | Surface | | | |
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REMARKS:

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 92

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|-----------------------------|----------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. | 9/29/76 |
| | | | | Grain Size & Composition | |
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| LATITUDE | SEA5-76-BS 065 ^O 15.90' N L67 ^O 13.60' W | | | DAY/MONTH/YEE E 29/9/76 E OF STORAGE(ch | |
|--------------------------|--|----------------|--------------------|---|--|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 93 | Surface | | | | |
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REMARKS:

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 93

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/29/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------|----------------------------|
| LATITUDE | 065° 14.24-14.34' N | DATE |
| LONGITUDE | -167° 10.30-10.43' W | TYPE OF STORAGE(check one) |
| STATION NO. | 094 | х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 94 | Surface | | | |
| XBT Station 94A | 8 m | | | |
| Van Dorn 94B | 7 & 4 m | Recovery | | |
| Vibracore 94C | 9 m | 195 cm | | |
| T.V. Drop No. 4 | | | | |
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REMARKS:

⁻Water Bucket 94 - surface sample, underway. Suspended sediment and temperature analysis. Location: 65 14.28' N, -167 10.43' W
-XBT Station 94A - Location: 65 14.29' N, -167 10.42' W

⁻Van Dorn 94B - 2 samples from 7 and 4 meters in water column. Suspended sediment and temperature analysis. Location: 65° 14.34' N, -167° 10.30' W
-Vibracore 94C - recovered full core barrel, approx. 195 cm of muddy sediment.
Location: 65° 14.24' N, -167° 10.35' W

⁻T.V. Drop No. 4 - for specific information - see Hans C. Nelson (USGS).

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 94

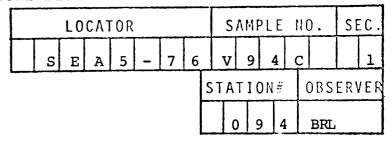
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|--------------|
| н ₂ о | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/29/76 |
| | | | | Camposition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 94B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---------------------------|------------|--------------|---------------------------------|---------|
| H ₂ O | 7 & 4 m | Dave Drake | USCS | Tot. Part. Wt. Combustible % | 9/29/76 |
| | in H ₂ O Colum | n | | Grain Size & Composition | |
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VISUAL CORE DESCRIPTION



Large cobble found at this level in other half

Small pebbles grit and shell Frag. layer

Pebble 3cm

Clayey Silty bleb, olive gray 5Y 3/2

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5

B

8

8

8

8

6

8

8

8

110

120

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(1) This entire horizon is generally fine quartzose sand, sub-angular quartz grains. Relatively clean but some silt. Cleaner at top. Top 3-4 cm olive gray yellow 5Y 5/3. 5-50 cm are roughly light olive gray yellow or 5Y 5/3. Below about 50 cm, silt content picks up and color darkens to a darker olive gray 5Y 4/2 or 10Y 4/1. Except for the shell fragment grit layer at 104 cm and subtle gradations in median grain size, the only other distinct feature is the clayey silt bleb at 126 cm. At about 145 cm the organic content starts picking up with a couple of black organic patches and what looks like a burrow starting at 150 cm. The silt content appears to get higher at this section and grain size appears to become finer.

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 94C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|----------|----------------|--------------|-------------------------|---------|
| 32011014 | INTERVAL | IVAPIC | ORGANIZATION | FURFUSE | UNIC |
| 1 | 5 cm | Hans C. Nelson | USGS | Carbon | 9/29/76 |
| | 5 cm | Hans C. Nelson | USGS | Texture & Mineralogy | 9/29/76 |
| | 50 cm | Hans C. Nelson | USGS | Texture & Mineralogy | 9/29/76 |
| | 50 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 70 cm | Hans C. Nelson | USGS | Carbon | 9/29/76 |
| | 101 cm | Hans C. Nelson | USGS | Texture & Mineralogy | 9/29/76 |
| | 101 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 149 cm | Hans C. Nelson | USGS | Texture & Mineralogy | 9/29/76 |
| | 149 cm | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| | 149 cm | Hans C. Nelson | USGS | Carbon | 9/29/76 |
| | 40 cm | Ed Clukey | USGS | Bulk Density | 9/29/76 |
| | 140 cm | Ed Clukey | USGS | Bulk Density | 9/29/76 |
| 2 | 160 cm | Ed Clukey | USGS | Bulk Density | 9/29/76 |
| ∞ | Clay | Hans C. Nelson | USGS | Paleontology | 9/29/76 |
| œ | Clay | Hans C. Nelson | USGS | Texture & Mineralogy | 9/29/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 8.07-8.06' N | DATE |
| LONGITUDE | -167 ⁰ 15.14-15.23' W | TYPE OF STORAGE (check one) |
| STATION NO. | 095 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 95A | Surface | | | |
| Van Dorn 95B | 5 & 13 m | | | |
| T.V. Drop No. 6 | | | | |
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REMARKS:

Water Bucket 95A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 8.07' N, -167 15.14' W

Van Dorn 95B - water samples from 5 and 13 meters in water column. Suspended sediment and temperature analysis. Location: 65° 8.06' N, -167 15.23' W

T.V. Drop No. 6 - for specific information see Hans C. Nelson, USGS

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 95A Van Dorn 95B

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|---------|---------------------------------------|--------------|--------------|--|-------------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 95A | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | |
| 95B | 5 & 13 m in H ₂ O Colum | n Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 9/29/76 |
| | | | | Composition | |
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USGS STATION LOG

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 05.22-05.21' N | DATE <u>29/9/76</u> |
| LONGITUDE | -167 ^O 26.04-26.06' W | TYPE OF STORAGE (check one) |
| STATION NO. | 096 | |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 96A | Surface | | | |
| Van Dorn 96B | 8, 16 & 20 m | | | |
| T.V. Drop No. 7 | | | | |
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REMARKS:

Water Bucket 96A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 5.22' N, -167 26.04' W

Van Dorn 96B - water samples from 8, 16 and 20 meters in water column. Suspended sediment and temperature analysis. Location: 65° 5.21'N, -167° 26.06'W

T.V. Drop No. 7 - see Hans C. Nelson, USGS for specific information

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 96A Van Dorn 96B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|-------------------------|---|------------|--------------|---------------------------------|---------|
| 96A H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/29/76 |
| | | | | Grain Size & Composition | |
| 96в Н ₂ О | 8,16 & 20 m in H ₂ O Column | Dave Drake | USGS | Tot. Part. Wt. | 9/29/76 |
| | 2 | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 65 ⁰ 03.45-03.33' N | DATE |
| LONGITUDE | -167 ^O 32.47-32.56' W | TYPE OF STORAGE (check one |
| STATION NO. | 097 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 97A | Surface | | | |
| Van Dorn 97B | 8,16 & 20 m | | | |
| T.V. Drop No. 8 | | | | |
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REMARKS:

Water Bucket 97A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 3.45' N, -167° 32.47' W

Van Dorn 97B - water samples from 8, 16 and 20 meters in water column. Suspended sediment and temperature analysis. Location: 65° 3.33' N, -167° 32.56' W

T.V. Drop No. 8 - see Hans C. Nelson (USGS) for specific information.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 97A & Van Dorn 97B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---|------------|--------------|--|---------|
| н ₂ 0 | 97A Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/29/76 |
| н ₂ 0 | 97B 8,16 & 20 m in H ₂ O Colum | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/29/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 065° 5.02-5.01' N | DATE |
| LONGITUDE | -167 ^O 43.34-43.36' W | TYPE OF STORAGE (check one) |
| STATION NO. | 098 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|---------------------------------------|--------------------|------------------|
| Water Bucket 98A | Surface | | | |
| Van Dorn 98B | 15,29 & 35 m | | | |
| T.V. Drop No. 9 | | | | |
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REMARKS:

Water Bucket 98A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 5.02' N, -167° 43.34' W

Van Dorn 98B - water samples from 15, 29 and 35 meters in water column. Suspended sediment and temperature analysis. Location: 65° 5.01' N, -167° 43.36' W

T.V. Drop No. 9 - see Hans C. Nelson (USGS) for specific information.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 98A & Van Dorn 98B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|--|------------|--------------|--|---------|
| H ₂ O | 98A Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/29/76 |
| Н ₂ О | 98B 15,29 & 35 m in H ₂ O Colum | | USGS | Tot. Part. Wt. Combustible % Grain Size & | 9/29/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 6.65-6.64' N | DATE <u>29/9/76</u> |
| LONGITUDE | -167 [°] 38.30-38.36' W | TYPE OF STORAGE (check one) |
| STATION NO. | 099 | |
| LINE NO. | | DRY COLD FROZEN |

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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 99A | Surface | | | |
| Van Dorn 99B | 12 & 18 m | | | |
| T.V. Drop NO. 10 | | | | |
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REMARKS:

Water Bucket 99A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 6.65'N, -167° 38.30'W

Van Dorn 99B - water samples from 12 and 18 meters in water column. Suspended sediment and temperature analysis. Location: $65^{\circ}6.64'N$, $-167^{\circ}38.36'W$

T.V. Drop No. 10 - see Hans C. Nelson (USGS) for specific information.

LOCATOR: SEA5-76-BS

OSAMPLE NO: Water Bucket 99A & Van Dorn 99B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------------------------|------------|--------------|---------------------------------|---------|
| H ₂ O | 99A Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/29/76 |
| · | | | | Grain Size & Composition | |
| н ₂ о | 99B 12 & 18 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/29/76 |
| | in H ₂ O Column | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 065 ⁰ 8.03-7.89' N | DATE <u>29/9/76</u> |
| LONGITUDE | -167 ⁰ 36.28-36.14' W | TYPE OF STORAGE (check one |
| STATION NO. | 100 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 100A | Surface | | | |
| Van Dorn 100B | 27 & 31 m | | | |
| T.V. Drop No. 11 | | | | |
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REMARKS:

Water Bucket 100A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 8.03'N, -167° 36.28'W

Van Dorn 100B - water samples from 27 and 31 meters in water column. Suspended sediment and temperature analysis. Location: 65° 7.89' N, -167 36.14' W

T.V. Drop No. 11 - see Hans C. Nelson (USGS) for specific information

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 100A

Van Dorn 100B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---------------------------|---------------------------------------|--------------|---|---------|
| н ₂ 0 | 100A Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 9/29/76 |
| | | | | Composition | |
| н ₂ 0 | 100B 27 & 31 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/30/76 |
| | in H ₂ O Colum | 1 | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 065° 7.24-7.97' N | DATE |
| LONGITUDE | -167 ^O 30.81-33.27' W | TYPE OF STORAGE (check one |
| STATION NO. | 101 | X |
| ITNE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 101A | Surface | | | |
| Van Dorn 101B | 16,24 & 30 m | | | |
| Vibracore 101C | 28 m | 165 cm | | |
| T.V. Drop No. 12 | | | | |
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REMARKS:

Water Bucket 101A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 7.94'N, -167 33.27' W

Van Dorn 101B - water samples from 16, 24 and 30 meters in water column. Suspended sediment and temperature analysis. Location: 65°7.82'N, -167°33.04'W

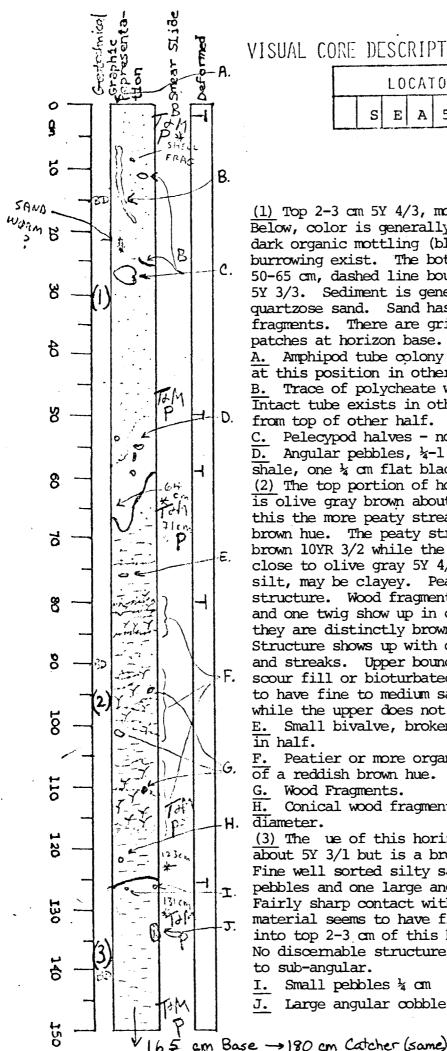
Vibracore 101C - approx. 165 cm recovered, 180 cm with core catcher. Location: 65° 7.24' N, -167 30.81' W

T.V. Drop No. 12 - see Hans C. Nelson (USGS) for specific information.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 101A & Van Dorn 101B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|--|--------------|--------------|---|--|
| 101A | Surface Water | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | |
| | | | | Composition | |
| 101B | 16,24 & 30m in H ₂ O Colum | n Dave Drake | uscs | Tot. Part. Wt. Combustible % | 9/30/76 |
| | | | | Grain Size & Composition | |
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VISUAL CORE DESCRIPTION

| LOCATOR | | | | | | | S | ΛM. | PI. | E | N C |). | SE | С. | | |
|---------|---|---|---|---|---|----|---|-----|-----|---|-----|-----|-----|-----|--|---|
| | S | Е | A | 5 | - | 7 | 6 | | v | 1 | | | 1 | С | | 1 |
| | S | | | | | ST | Α | ŢŢ | 011 | ä | |)BS | ERV | /ER | | |
| | | | | | | | | |] | _ | 0 | 1 | | BRL | | |

(1) Top 2-3 cm 5Y 4/3, moderate olive gray brown. Below, color is generally olive gray 5Y 3/2. Some dark organic mottling (black) where worm tubes or burrowing exist. The bottom of horizon (1) approx. 50-65 cm, dashed line boundary, is a bit browner, 5Y 3/3. Sediment is generally silty medium to fine quartzose sand. Sand has roughly 15% opaque rock fragments. There are gritty coarse sand blebs or patches at horizon base.

Amphipod tube colony and live amphipods present at this position in other core half.

Trace of polycheate worm tube (black oxidized). Intact tube exists in other half, live worm 25 cm from top of other half.

Pelecypod halves - not in living orientation Angular pebbles, 1-1 cm diameter. Mudstone or

shale, one 4 cm flat black stone.

(2) The top portion of horizon (2), approx. 60-80 cm, is olive gray brown about 5Y 3/3 or 5Y 3/4. Below this the more peaty streaks make it more of a distinct brown hue. The peaty streaks are about dark yellow brown 10YR 3/2 while the surrounding material is close to olive gray 5Y 4/2. Medium to coarse peaty silt, may be clayey. Peaty streaks are only apparent structure. Wood fragments present, wood fragments and one twig show up in central/lower part of horizon they are distinctly brown in jue. Mica flecks. Structure shows up with distinct brownish peaty layers Upper boundary is very irregular, possible and streaks. scour fill or bioturbated. The lower portion appears to have fine to medium sand particles (smear slide) while the upper does not - mixing with lower layer. Small bivalve, broken but in original shape, cut

Peatier or more organic streaks and layers more of a reddish brown hue.

Wood Fragments.

Conical wood fragment, 1 3/4 cm long, 5 mm maximum diameter.

(3) The ue of this horizon is generally olive black, about 5Y 3/1 but is a browner near the top 4-5 cm. Fine well sorted silty sand. Mica particles. Small pebbles and one large angular cobble near top. Fairly sharp contact with peaty horizon (2). Peaty material seems to have filtered down (a little bit) into top 2-3 cm of this horizon giving browner hue. No discernable structure. Sand particles appear angular to sub-angular.

Small pebbles ¼ cm

Large angular cobble 2 x 4½ cm.

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 101C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|------------|----------------|--------------|---------------------------|---------|
| 1 | 2 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 2 cm | Hans C. Nelson | USGS | Texture & Mineralogy | 9/30/76 |
| | 2 cm | Hans C. Nelson | USGS | Benthic Organ. | 9/30/76 |
| | 10 & 25 cm | Hans C. Nelson | USGS | Benthic Organ. | 9/30/76 |
| | 15 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 50 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 50 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 64 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 71 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 90 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 115 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 115 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 131 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 131 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 141 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 148 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 148 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
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| SHIP / LEG | SEA5-76-BS | | DAY/MONTH/YEAR |
|-------------|----------------------------------|---|-----------------------------|
| LATITUDE | 065° 08.87-08.82' N | | DATE |
| LONGITUDE | -167 ⁰ 29.82-29.77' W | | TYPE OF STORAGE (check one) |
| STATION NO. | 102 | | Х |
| LINE NO. | | • | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 102 A | Surface | | | |
| Van Dorn 102 B | 17 & 21 m | | | |
| Vibracore 102 C | 23 m | 160 cm | | |
| T.V. Drop No. 13 | | | | |
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REMARKS:

Water Bucket 102A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65 8.87' N, -167 29.82' W

Van Dorn 102B - water samples from 17 and 21 meters in water column. Suspended sediment and temperature analysis. Location: 65° 8.82' N, -167° 29.77' W

Vibracore 102C - recovery of about 160 cm. Location: 65° 8.83' N, -167° 29.80' W

T.V. Drop No. 13 - see Hans C. Nelson (USGS) for specific information.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 102A & Van Dorn 102B

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|--|------------------|-----------------------------|--|--|
| Surface Water | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/30/76 |
| 17 & 21 m in H ₂ O Colum | n Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 9/30/76 |
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| | Surface Water | Surface Water Dave Drake | Surface Water Dave Drake USGS | Surface Water Dave Drake USGS Tot. Part. Wt. Combustible % Grain Size & Composition 17 & 21 m in H ₂ O Column Dave Drake USGS USGS Orain Size & Grain Size & Grain Size & Grain Size & |

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OBSERVE

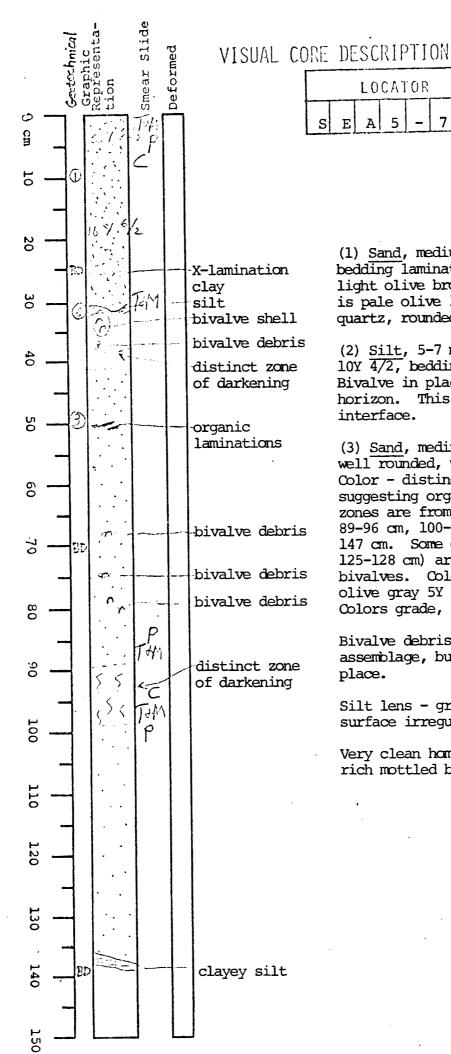
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SAMPLE NO.

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STATION#

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(1) Sand, medium grained, faint parallel bedding laminations. Upper 7 cm is light olive brown, 5Y 5/6, lower 7-31 cm is pale olive 10Y 6/2. Predominately quartz, rounded, well sorted.

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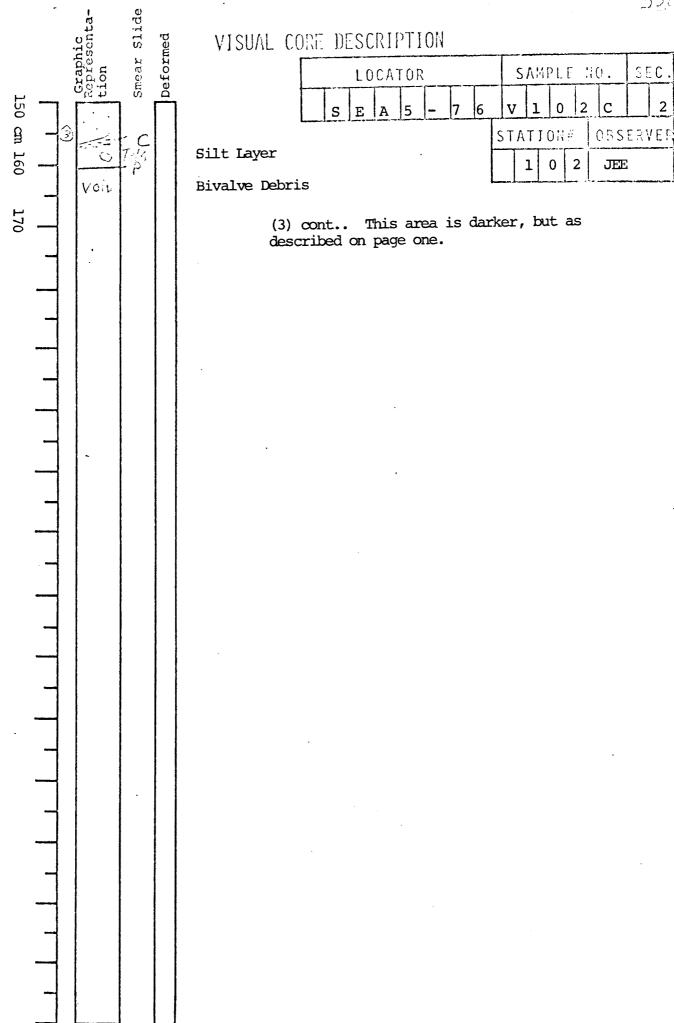
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- (2) Silt, 5-7 mm thick, grayish olive 10Y $\overline{4/2}$, bedding surface irregular. Bivalve in place immediately below this horizon. This may represent the old interface.
- (3) Sand, medium grained, rounded to well rounded, well sorted quartz sand. Color - distinct zones of dark color, suggesting organic accumulation. These zones are from 32-44 cm, 47-52 cm, 89-96 cm, 100-101 cm, 125-128 cm, 142-147 cm. Some of the dark areas (e.g. 125-128 cm) are the shape of decomposed bivalves. Color - varies from light olive gray 5Y 5/2 to grayish black N2. Colors grade, except as sketched.

Bivalve debris - many indicate death assemblage, but one at 33 cm may be in place.

Silt lens - grayish black N2, bedding surface irregular

Very clean homogeneous sand with organic rich mottled burrows.



LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 102C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|---------|
| 1 | 2 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 2 cm | Hans C. Nelson | USGS | Carbon | 9/30/76 |
| | 2 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 30 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 25 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 70 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 85 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 85 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 95 cm | Hans C. Nelson | USGS | Carrbon | 9/30/76 |
| | 95 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 95 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 138 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 158 cm | Hans C. Nelson | USGS | Carbon | 9/30/76 |
| | 158 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 158 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 065 ⁰ 08.53-08.96' N | DATE30/9/76 |
| LONGITUDE | -167 ⁰ 48.72-49.87' W | TYPE OF STORAGE (check one) |
| STATION NO. | 103 | Х |
| ITNE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 103A | Surface | | | |
| Van Dorn 103B | 32 m | | | |
| Vibracore 103C | 33 m | 165 cm | | |
| T.V. Drop No. 14 | | | | |
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REMARKS:

Water Bucket 103A - surface sample, underway. Suspended sediment and temperature analysis. Location: 65° 8.96'N, -167° 49.87'W

Van Dorn 103B - water sample from 32 meters in water column. Suspended sediment and temperature analysis. Location: 65 8.53'N, -167 48.94'W

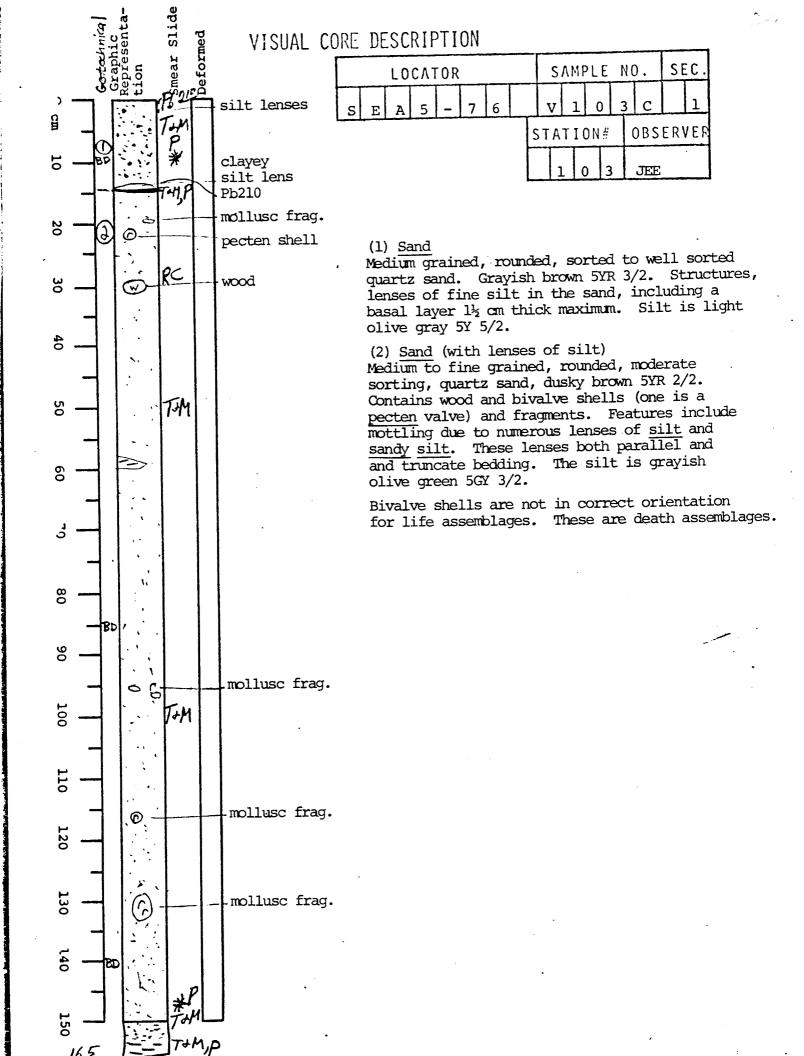
Vibracore 103C - 1st attempt, lost core catcher. 2nd attempt, recovery of about 165 cm. Location: 65 $^{\circ}$ 8.61' N, -167 $^{\circ}$ 48.72' W

T.V. Drop No. 14 - see Hans C. Nelson (USGS) for specific information.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 103A and Van Dorn 103B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|------------------------------------|------------|--------------|---------------------------------|---------|
| 103A | Surface Water | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/30/76 |
| | | | | Grain Size & Composition | |
| 103B | 32 m in H ₂ O Column | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 9/30/76 |
| | | | | Grain Size & Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: <u>Vibracore 103C</u>

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|---------|
| 1 | 1 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/30/76 |
| | 5 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 7 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 10 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 15 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 15 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/30/76 |
| | 15 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 30 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 9/30/76 |
| | 50 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 85 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 100 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
| | 140 cm | Ed Clukey | USGS | Bulk Density | 9/30/76 |
| | 146 cm | Hans C. Nelson | USCS | Paleontology | 9/30/76 |
| | 150 cm | Hans C. Nelson | USCS | Texture and Mineralogy | 9/30/76 |
| | 160 cm | Hans C. Nelson | USGS | Paleontology | 9/30/76 |
| | 160 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 9/30/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 56.71' N | DATE |
| LONGITUDE | -167 ⁰ 05.47' W | TYPE OF STORAGE (check one) |
| STATION NO. | 104 | . x |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Soutar Grab 104 | 17 m | Recovery | | |
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REMARKS:

Soutar Grab 104 - recovery of large gravel and small pebbles, almost no sediment, some worms. Color 5Y 2/1. Sample size: 7 cm.

SMEAR SLIDE DESCRIPTION

| LOCATOR | SAMPLE NO. | SEC. | INTERVAL | STATION NO. | Dom. LITH. | Minor LITH. | OBSERVER |
|------------|------------|------|----------|-------------|---------------|----------------|----------|
| SEA5-76-BS | Soutar Gra | b | ? | 104 | | | |

Sediment Name: Sandy Pebble Gravel

by wt. total sample

| ABUNDANCE | | SPECIFIC DATA |
|-----------|----------------|------------------|
| 1.5% | Sand | 98% Gravel |
| 0.4% | Silt | Modal Grain Size |
| 0.1% | Clay | Range: clay to |
| | COMPOSITION | cobbles |
| | Quartz | |
| | Feldspar | |
| | Mica | |
| | Heavy Mnls. | |
| | Total Detrital | |
| | Clay Mnls. | |
| | Volc. Glass | |
| | Palagonite | |
| | Chlorite | |
| | Glauconite | |
| | Pyrite | |
| | Micro Nodules | |
| | Dolo. Rhombs | |
| | Zeolite | |
| | Auth. Carb. | |
| | Rock Frags. | |
| | | |
| | Foraminifera | |
| | Calc. Nannos | |
| | | |
| | Diatoms | |
| | Radiolarians | |
| | Sponge Spic. | |
| | Silicoflag. | |
| | | |
| | Fish Remains | |
| | Plant Debris | |
| | | |

PER-CENT DETAILED MINERALOGY

| 97% | Limestone, Dolomite, Carbonate | |
|-----|--------------------------------|----|
| | mudstone. Low grade metamorphi | LC |
| | in many cases | |
| 1% | Metamorphic rock fragments | |
| | (homblende schist) | |
| 1% | Siliceous Argillite | |
| | Sand Fraction: | |
| 95% | Quartz | |
| | | |
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REMARKS:

Gravel % (by wt. of total gravel)

10% cobbles

10% Granules

80% Pebbles

Poorly sorted

Most clasts sub-rounded

Range: sub-angular to well rounded. Pebbles and granules tend towards

better rounding than cobbles.

Note: this sample contains much more silt and clay than is evident in wt. %. Fine sand is also plentiful but the mass of the gravel is far greater.

DATA CODE LEGEND

Fossil preservation

G = good

M = moderate

P = poor

Abundance code

1% = TR (trace)

1-5% = R (rare)

5-25% = C (common) 25-75% = A (abundant)

75% = D (dominant)

LOCATOR: SEA5-76-BS SAMPLE NO: Soutar Grab 104

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|-------------|------------------|------------------|--------------|--------------|--------------|
| | Entire Sample | Kaplan/Sandstrom | UCLA | Hydrocarbons | 9/30/76 |
| . <u> </u> | Sautite | replay baraseran | T COLLEGE | | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 47.96' N | DATE |
| LONGITUDE | -166 ⁰ 33.62' W | TYPE OF STORAGE (check one) |
| STATION NO. | 105 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Soutar Grab 105 | 15 m | 10 cm | | |
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REMARKS:

Soutar Grab 105 - recovered about 10 cm of medium sand. Color is 5GY 3/2. Overlying water clear. Preservation is fair, sample washed in center, grabber not holding water well.

LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 105

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|---------|
| 1 | 0-2 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 9/30/76 |
| | 0-2 cm | Kaplan/Sandstrom | UCLA | Storage | 9/30/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 9/30/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Storage | 9/30/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 9/30/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Trace Metals | 9/30/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 9/30/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 9/30/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 9/30/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental C,N, S Analysis | 9/30/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Storage | 9/30/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 29.22-29.41' N | DATE3/10/76 |
| LONGITUDE | -165° 25.18-25.28' W | TYPE OF STORAGE (check one) |
| STATION NO. | 106 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Vibracore 106 | 12 m | 150 cm | | |
| Water Bucket 106A | Surface | | | |
| Van Dorn 106B | 7 m | | | |
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REMARKS:

Vibracore 106 - approx. 150 cm of fine sand recovered. Very sandy - shifts from a brownish to gray color at approx. 55 cm. Some dark mottling 55-150 cm. Location: 64° 29.41' N, -165° 25.23' W

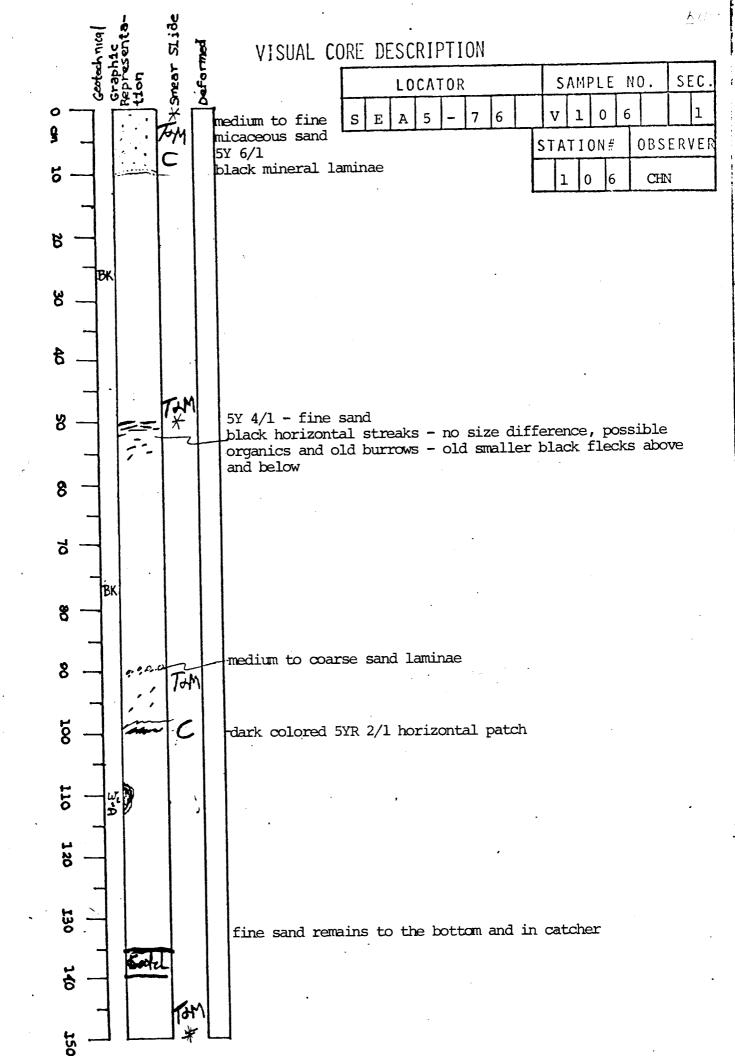
Water Bucket 106A - surface sample, underway. Suspended sediment and temperature analysis. Location: 64° 29.38' N, -165° 25.28' W

Van Dorn 106B - sample from 7 meters in water column. Suspended sediment and temperature analysis. Location: 64° 29.22' N, -165 25.18' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 106A and Van Dorn 106B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-----------------------------------|------------|--------------|---------------------------------|---------|
| 106A | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/3/76 |
| | | | | Grain Size & Composition | |
| 106B | 7 m in H ₂ O Column | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/3/76 |
| | | | | Grain Size & Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 106

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|---------|
| 1 | 4 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/3/76 |
| | 8 cm | Hans C. Nelson | USGS | Carbon | 10/3/76 |
| | 25 cm | Ed Clukey | USGS | Phy. Prop. | 10/3/76 |
| | 47 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/3/76 |
| | 77 cm | Ed Clukey | USGS | Phy. Prop. | 10/3/76 |
| | 92 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/3/76 |
| | 100 cm | Hans C. Nelson | USGS | Carbon | 10/3/76 |
| | 110 cm | Ed Clukey | USGS | H ₂ O Content | 10/3/76 |
| | 110 cm | Ed Clukey | USGS | Density | 10/3/76 |
| | 146 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/3/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---|----------------------------|
| LATITUDE | 064 ⁰ 24.28-24.29' N | DATE <u>4/10/76</u> |
| LONGITUDE | -164 ^O 59.98'-165 ^O 0.07' W | TYPE OF STORAGE (check one |
| STATION NO. | 107 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 107A | Surface | | | |
| Van Dorn 107B | 19 m | | | |
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REMARKS:

Water Depth - 20 meters

Water Bucket 107A - surface sample underway. Suspended sediment and temperature analysis. Location: 64° 24.29'N, -165° 0.07'W

Van Dorn 107B - sample from 19 meters in water column. Suspended sediment and temperature analysis. Location: 64° 24.28' N, -164° 59.98' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 107A and Van Dorn 107B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------------|---|------------|--------------|---|------|
| 107A | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | |
| | | | | Composition | |
| 1 07 B | 19 meters in H ₂ O Column | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | |
| | | | | Composition | |
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| LATITUDE | EA5-76-BS 64 ⁰ 15.14' N 64 ⁰ 44.00' W | | | DAY/MONTH/YEA E 4/10/76 E OF STORAGE(che | ck one) |
|--------------------------|---|----------------|--------------------|--|---------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 108 | 14 m | Surface Sam. | | | |
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REMARKS:

Water Bucket 108 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 108

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------------------------------------|-------------------|------------|--------------|---|---------|
| H ₂ O | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/4/76 |
| | | | | Composition | |
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| SHIP / LEG LATITUDE LONGITUDE STATION NO. LINE NO. | 063 ^C | 5-76-BS 9 56.71' N 9 12.35' W | | | DAY/MONTE 4/10/7 E OF STORAGE Y COLD | 6 | |
|--|------------------|-------------------------------------|----------------|--------------------|---|---|--|
| SAMPLE NOTYPE & I | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 109 | 14 m | Surface Sam. | | |
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REMARKS:

Water Bucket 109 - surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR:_ | SEA5-76-BS | SAMPLE | NO: | Water Bucket 109 |
|-----------|------------|----------------|-----|------------------|
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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------------|------------|--------------|---------------------------------|---------|
| H ₂ O | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/4/76 |
| | Double 1 | Dave Drain | 350 | Grain Size & Composition | _0, _, |
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| LATITUDE . | 063 -163 | 5-76-BS O 42.44' N O 48.47' W | | | DAY/MONTH/YEAR E 4/10/76 E OF STORAGE (check | one |
|--------------|-------------|-------------------------------|----------------|--------------------|--|-----|
| SAMPLE NO | | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 110 | 14 m | Surface Sam. | | | |
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REMARKS:

Water Bucket 110 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 110

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/4/76 |
| | | | | Composition | |
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| | A5-76-BS | | пΔТ | DAY/MONT | | |
|--|--------------------------|----------------|--------------------|------------------|--------|-----|
| | 53 [°] 46.91' W | | | E OF STORAG | | ne. |
| STATION NO. 1 | 1 | | | | | |
| LINE NO. | | | DR | Y COLD | FROZEN | |
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | | |
| Water Bucket 111 | 16 m | Surface Sam. | | | | |
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REMARKS:

Water Bucket lll - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 111

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/4/76 |
| | | | | Grain Size & Composition | |
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| LATITUDE | 064 ⁶ 163 ⁶ | 5-76-BS O_07.50' N O_53.85' W | | | DAY/MONTH/YEAR E 4/10/76 E OF STORAGE(chec | k one) |
|------------------------|--------------------------------------|-------------------------------|----------------|--------------------|--|--------|
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 112 | 16 m | Surface Sam. | | | |
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REMARKS:

Water Bucket 112 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 112

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ О | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/4/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 064 ⁰ 16.00' N | DATE <u>4/10/76</u> |
| LONGITUDE | -163 [°] 58.41' W | TYPE OF STORAGE (check one |
| STATION NO. | 113 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 113 | 15 m | Surface Sam. | | |
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REMARKS:

Water Bucket 113 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 113

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/4/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 22.73' N | DATE |
| LONGITUDE | -163 ⁰ 44.08' W | TYPE OF STORAGE (check one) |
| STATION NO. | 114 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 114 | 15 m | Surface Sam. | | |
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REMARKS:

Water Bucket 114 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 114

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---|------------|--------------|---------------------------------|-------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/4/76 |
| _ | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 13.51' N | DATE |
| LONGITUDE | -163 [°] 32.76' W | TYPE OF STORAGE (check one) |
| STATION NO. | 115 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 115 | 17 m | Surface Sam. | | |
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REMARKS:

Water Bucket 115 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 115

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|------------|--------------|---------------------------------|---|
| Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/5/76 |
| | | | Composition | |
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| | | 77. | | Surface Dave Drake USGS Tot. Part. Wt. Combustible % Grain Size & |

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ^O 01.82' N | DATE |
| LONGITUDE | -163 ^O 26.63' W | TYPE OF STORAGE (check one) |
| STATION NO. | 116 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--|--------------------------|----------------|--------------------|------------------|
| Water Bucket 116 | 20 m | Surface Sam. | | |
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REMARKS:

Water Bucket 116 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 116

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/5/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 47.36' N | DATE |
| LONGITUDE | -163 ⁰ 19.13' W | TYPE OF STORAGE (check one) |
| STATION NO. | 117 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 117 | 20 m | Surface Sam. | | |
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REMARKS:

Water Bucket 117 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 117

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/5/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 063 [°] 37.83' N | DATE |
| LONGITUDE | -163 ⁰ 14,29' W | TYPE OF STORAGE (check one |
| STATION NO. | 118 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 118 | 12 m | Surface Sam. | | |
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REMARKS:

Water Bucket 118 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 118

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/5/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 26.17' N | DATE |
| LONGITUDE | -163 ^O 08.41' W | TYPE OF STORAGE (check one) |
| STATION NO. | 119 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 119 | 8 m | Surface Sam. | | |
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REMARKS:

Water Bucket 119 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 119

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------------|------------|--------------|--|---------|
| н ₂ 0 | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/5/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 36.18' N | DATE5/10/76 |
| LONGITUDE | -163 [°] 04.78' W | TYPE OF STORAGE (check one) |
| STATION NO. | 120 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 120 | 12 m | Surface Sam. | | |
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REMARKS:

Water Bucket 120 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 120

| SECTION | <u> </u> | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------------|------------|--------------|--|---------------------------------------|
| н ₂ 0 | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/5/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|-------------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 53.07-53.11 | DATE |
| LONGITUDE | -163 ⁰ 01.44-01.52 | TYPE OF STORAGE (check one) |
| STATION NO. | 121 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 121 | 17 m | Surface Sam. | | |
| Vibracore 121A | 17 m | No Recovery | | |
| Vibracore 121B | 17 m | No Recovery | | |
| Vibracore 121C | 17 m | No Recovery | | |
| Vibracore 121D | 17 m | 180 cm | | |
| Box Core 121E | 17 m | 20 cm | | |
| Box Core 121F | 17 m | No Recovery | | |
| Box Core 121G | 17 m | No Recovery | | |
| Box Core 121H | 17 m | 25 cm | | |
| | | | | |

REMARKS:

Water Bucket 121 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63° 53.11' N, -163° 1.52' W

Vibracore 121D - recovery of about 180 cm of sandy silt/peat. Location: 63° 53.10' N, -163 01.44' W

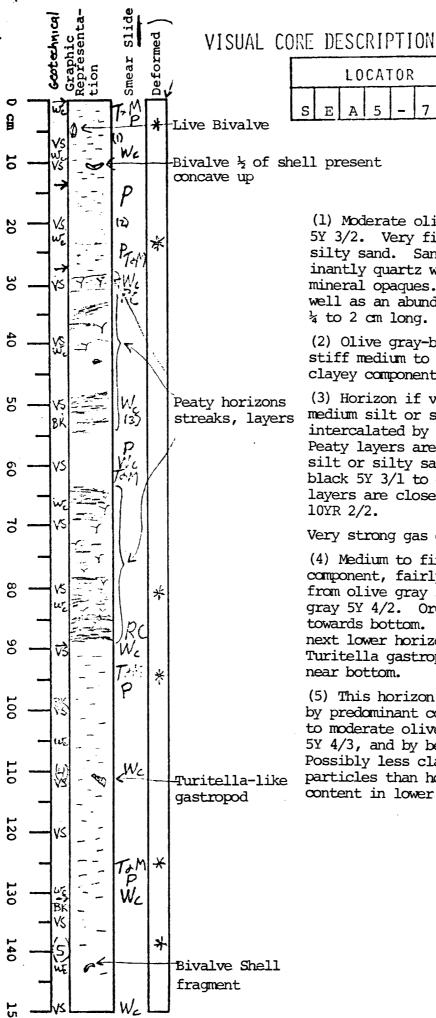
Box Core 121E - recovery of 15-20 cm. 5Y 3/2 to 10Y 3/2, grayish olive soupy surface over olive gray sandy silt subsurface. Fauna: polycheates, oyster shells. Surface layer preserved although slightly washed. Location: 63 53.07' N, -163 1.49' W

Box Core 121H - recovery of 25 cm of fine sand. Some apparent stratification in lower 1/2 of core, upper half highly bioturbated. Texture is muddy fine sand. Location: 63 53.08' N, -163 1.48' W. See Hans C. Nelson (USGS) for sample sketch and photo.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 121

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|--|-------------------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/5/76 |
| | | | | Grain Size & Composition | |
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(1) Moderate olive gray brown, 5Y 4/3 to 5Y 3/2. Very fine to fine sandy silt to silty sand. Sand is sub-rounded, predominantly quartz with some lithic or heavy mineral opaques. Live clams present, as well as an abundance of organic tendrils 1/4 to 2 cm long.

1 2

- (2) Olive gray-black 5Y 3/1 to 5Y 2/2 very stiff medium to coarse silt. May be a clayey component.
- (3) Horizon if very fine sandy coarse to medium silt or silty very fine to fine sand intercalated by peaty layers or streaks. Peaty layers are finely laminated. silt or silty sand component is olive grayblack 5Y 3/1 to olive gray 5Y 2/2. Peaty layers are closest to dusky yellowish brown 10YR 2/2.

Very strong gas odor.

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- (4) Medium to fine silt with possible clay component, fairly stiff. Color ranges from olive gray 5Y 3/2 to moderate olive gray 5Y 4/2. Organic black streaks increase towards bottom. Lower boundary grades into next lower horizon relatively inperceptibly. Turitella gastropod present. Coarser silt near bottom.
- (5) This horizon is distinguished from (4) by predominant color of moderate olive gray to moderate olive gray brown, 5Y 4/2 to 5Y 4/3, and by being less stiff or cohesive. Possibly less clay and more coarse silt particles than horizon (4). High organic content in lower part of this horizon.

| Graphic Representation | Deformed |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 121D

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-------------------------------|---------|
| 1 | 0 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | 2 cm | Hans C. Nelson | USCS | Texture and Mineralogy | 10/5/76 |
| | 3 cm | Hans C. Nelson | USGS | Paleontology | 10/5/76 |
| | 6 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 9 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | ll cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 16 cm | Hans C. Nelson | USCS | Paleontology | 10/5/76 |
| | 20 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 23 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| · | 25 cm | Hans C. Nelson | USGS | Paleontology | 10/5/76 |
| | 26 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/5/76 |
| | 30 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 30 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/5/7€ |
| | 40 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 50 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 53 cm | Ed Clukey | USGS | Phy. Prop. | 10/5/76 |
| | 57 cm | Hans C. Nelson | USGS | Paleontology | 10/5/76 |
| | 60 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 62 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/5/76 |
| | 66 cm | Ed Clukey | USGS | Water Content | 10/5/76 |

LOCATOR: SEA5-76-BS

SAMPLE NO: <u>Vibracore 121D</u> Cont..

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-------------------------------|---------|
| 1 | 70 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 80 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 82 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | 87 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/5/76 |
| | 90 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 94 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/5/76 |
| | 95 cm | Hans C. Nelson | USGS | Paleontology | 10/5/76 |
| | 99 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/5/76 |
| | 100 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 105 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | 110 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 120 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 125 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/5/76 |
| | 127 cm | Hans C. Nelson | USGS | Paleontology | 10/5/76 |
| | 130 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | 132 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/5/76 |
| | 135 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 142 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | 150 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | | Continued | | | |

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 121D

Cont..

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-------------------------------|---------|
| 2 | 160 cm | Ed Clukey | USGS | Water Content | 10/5/76 |
| | 165 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 175 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/5/76 |
| | 178 cm | Hans C. Nelson | USGS | Paleontology | 10/5/76 |
| | 178 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/5/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 121E

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------|------------------|--------------|------------------------------|---------|
| | Surface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/5/76 |
| | Sub-surface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/5/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/5/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Storage | 10/5/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Sam. | 10/5/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C, N S Analysis | 10/5/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 121H

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|-----------|--------------|--|---------|
| | Surface | Ed Clukey | USCS | Torvane & Water Content | 10/5/76 |
| | 5 cm | Ed Clukey | USGS | Torvane, Vane Shear & Phy. Prop. | 10/5/76 |
| | 0-15 cm | Ed Clukey | USGS | Triax. Shear | 10/5/76 |
| | 15 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/5/76 |
| | 20 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
| | 25 cm | Ed Clukey | USGS | Vane Shear | 10/5/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 02.61' N | DATE5/10/76 |
| LONGITUDE | -162° 53.85' W | TYPE OF STORAGE (check one) |
| STATION NO. | 122 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 122 | 19 m | Surface Sam. | | |
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REMARKS:

Water Bucket 122 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 122

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------------|------------|--------------|--|---------|
| н ₂ 0 | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/5/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 10.87' N | DATE 6/10/76 |
| LONGITUDE | -162 ⁰ 47.36' W | TYPE OF STORAGE (check one) |
| STATION NO. | 123 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOITOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 123 | 22 m | Surface Sam. | | |
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REMARKS:

Water Bucket 123 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 123

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/6/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 064 ⁰ 05.68' N | DATE6/10/76 |
| LONGITUDE | -162 ⁰ 34.12' W | TYPE OF STORAGE (check one |
| STATION NO. | 124 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 124 | 19 m | Surface Sam. | | |
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REMARKS:

Water Bucket 124 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 124

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|--|--------------|---------------------------------|---|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/6/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|-------------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 0.02-0.06' N | DATE6/10/76 |
| LONGITUDE | -162° 24.89-25.20' W | TYPE OF STORAGE (check one) |
| STATION NO. | 125 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Soutar Grab 125A | 18 m | 25 cm | | |
| Water Bucket 125B | 15 m | Surface Sam. | _ | |
| Van Dom 125C | 18 m | | | |
| Vibracore 125D | 18 m | 15 cm | | |
| Vibracore 125E | 18 m | 163 cm | | |
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REMARKS:

Soutar Grab 125A - 25 cm recovered. 5GY 3/2, grayish olive green sandy silt. Fauna: polycheates. Preservation - good, surface 1 mm appears present supernatant water has moderate turbidity, one side of sample washed. Supernatant drained off with siphon. Location: 64° 0.04' N, -162° 24.92' W Water Bucket 125B - surface sample underway. Suspended sediment and temperature analysis. Location: 64° 0.02' N, -162° 24.89' W Van Dorn 125C - water samples from 10 and 16 meters. Suspended sediment and temperature analysis. Location: 64° 0.05' N, -162° 25.06' W Vibracore 125D - poor penetration, 15 cm recovered, no sample description available. Location: 64° 0.06' N, -162° 25.12' W Vibracore 125E - approx. 163 cm recovered - peaty. Location: 64° 0.04' N, -162° 25.20' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 125A

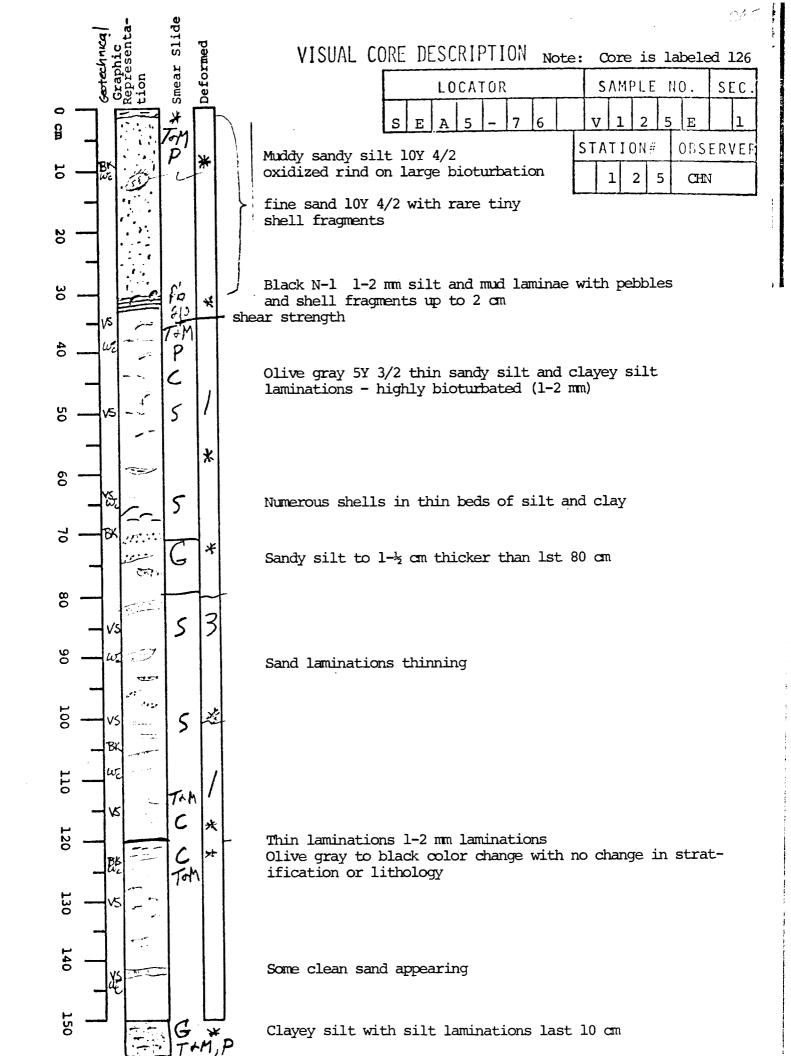
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|-----------------------------|---------|
| | 0-2 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/6/76 |
| | 0-2 cm | Kaplan/Sandstrom | UCLA | Storage | 10/6/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/6/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Storage | 10/6/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Trace Metals | 10/6/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/6/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/6/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Storage | 10/6/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N S Analysis | 10/6/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Forams | 10/6/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/6/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/6/76 |
| | Bulk | Hans C. Nelson | USGS | Storage | 10/6/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 125B and Van Dorn 125C

201

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|--------------|---|--------------------|--------------|---|-------------|
| 12 5B | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/6/76 |
| | | | | Composition | |
| 125C | 10 & 16 mete in H ₂ O Colum | rs h Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/6/76 |
| | | | | Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 125E Note: Core is labeled 126

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|--------------------------------|---------|
| 1 | 5 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/6/76 |
| | 8 cm | Hans C. Nelson | USGS | Paleontology | 10/6/76 |
| | 10 cm | Ed Clukey | USGS | Phy. Prop. & Water Content | 10/6/76 |
| | 30 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/6/76 |
| | 35 cm | Ed Clukey | USGS | Vane Shear | 10/6/76 |
| | 37 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/6/76 |
| | 39 cm | Ed Clukey | USGS | Water Content | 10/6/76 |
| | 40 cm | Hans C. Nelson | USGS | Paleontology | 10/6/76 |
| | 44 cm | Hans C. Nelson | USGS | Carbon | 10/6/76 |
| | 50 cm | Ed Clukey | USGS | Vane Shear & Shear Strength | 10/6/76 |
| | 65 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/6/76 |
| | 65 cm | Ed Clukey | USGS | Shear Strength | 10/6/76 |
| | 70 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/6/76 |
| | 74 cm | Keith Kvenvolden | USGS | Gas Sample | 10/6/76 |
| · | .85 cm | Ed Clukey | USGS | Vane Shear & Shear Strength | 10/6/76 |
| | 90 cm | Ed Clukey | USGS | Water Content | 10/6/76 |
| | 100 cm | Ed Clukey | USGS | Vane Shear & Shear Strength | 10/6/76 |
| | 105 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/6/76 |
| | 108 cm | Ed Clukey | USGS | Water Content | 10/6/76 |
| | 114 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/6/76 |

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 125E Continued...

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|-------------------------------|---------|
| 1 | 115 cm | Ed Clukey | USGS | Vane Shear | 10/6/76 |
| | 117 cm | Hans C. Nelson | USGS | Carbon | 10/6/76 |
| | 123 cm | Hans C. Nelson | USGS | Carbon | 10/6/76 |
| | 124 cm | Ed Clukey | USGS | Phy. Prop. & Water Content | 10/6/76 |
| | 126 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/6/76 |
| | 130 cm | Ed Clukey | USGS | Vane Shear | 10/6/76 |
| | 142 cm | Ed Clukey | USGS | Vane Shear | 10/6/76 |
| | 144 cm | Ed Clukey | USGS | Water Content | 10/6/76 |
| | 153 cm | Keith Kvenvolden | USCS | Gas Sample | 10/6/76 |
| | 157 cm | Hans C. Nelson | USGS | Paleontology | 10/6/76 |
| | 157 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/6/76 |
| | | M-84-b | | | |
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| SHIP / LEG | SE/ | 45-76-BS | | | DAY/MONTH/YEAR | |
|------------------------|-------------|--------------------------|----------------|--------------------|---------------------|------|
| LATITUDE | 063 | 3 ⁰ 52.68' N | | DATI | E <u>6/10/76</u> | - |
| LONGITUDE | 162 | ^O 13.08' W | | TYP | E OF STORAGE (chec) | one) |
| STATION NO. | 126 | 5 | | | | |
| LINE NO. | | | | DR | y cold froze | ٧ |
| | | | | | | , |
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket | 126 | 15 m | Surface Sam. | | | |
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REMARKS:

Water Bucket 126 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 126

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/6/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------|----------------------------|
| LATITUDE | 063° 47.11' N | DATE6/10/76 |
| LONGITUDE | -161° 59.77' W | TYPE OF STORAGE (check one |
| STATION NO. | 127 | |
| IINF NO. | | DRY COLD FROZEN |

2.

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 127 | 14 m | Surface Sam. | | |
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REMARKS:

Water Bucket 127 - surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 127 |
|---------------------|-----------------------------|
|---------------------|-----------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|---|--------------|---|------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/6/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 58.87' N | DATE6/10/76 |
| LONGITUDE | -162 ⁰ 06.56' W | TYPE OF STORAGE (check one) |
| STATION NO. | 128 | |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 128 | 16 m | Surface Sam. | | |
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REMARKS:

Water Bucket 128 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 128

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------------------------------------|----------|------------|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/6/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 10.40' N | DATE6/10/76 |
| LONGITUDE | -162 ⁰ 15.24' W | TYPE OF STORAGE (check one) |
| STATION NO. | 129 | |
| I INF NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 129 | 17 m | Surface Sam. | | |
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REMARKS:

Water Bucket 129 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 129

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|---------------------------------------|---------------------------------|------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | |
| | | | | Grain Size & Composition | |
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| SHIP / LEG _ LATITUDE _ LONGITUDE _ STATION NO LINE NO | ATITUDE 064° 19.74' N ONGITUDE -162° 13.30' W TATION NO. 130 | | | | DAY/MONTH/YEAR E _6/10/76 E OF STORAGE(check Y COLD FROZEN | |
|--|--|--------------------------|----------------|--------------------|--|--|
| SAMPLE NO | - | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |

| UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|----------------|--------------------|----------------------------|
| 17 m | Surface Sam. | | |
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| | DEPTH (M) | DEPTH (M) LENGTH | DEPTH (M) LENGTH LITHOLOGY |

REMARKS:

Water Bucket 130 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 130

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/6/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 064 ^O 23.53-23.80' N | DATE |
| LONGITUDE | -161 ^O 49.20-51.04' W | TYPE OF STORAGE(check one) |
| STATION NO. | 131 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 131 | 17 m | Surface Sam. | | |
| Van Dorn 131 | 17 m | | | |
| Vibracore 131A | 17 m | No Recovery | | |
| Vibracore 131B | 17 m | No Recovery | | |
| Vibracore 131C | 17 m | 174 cm | | |
| Soutar Grab 131D | 17 m | 28 cm | | |
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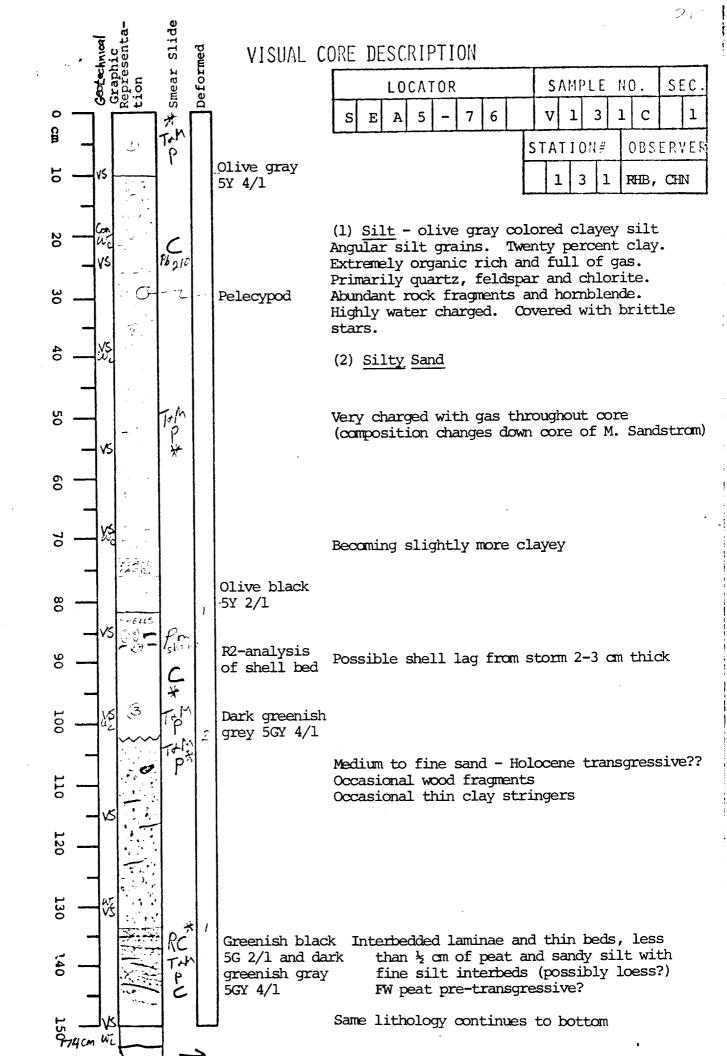
REMARKS:

Water Bucket 131 - surface sample, underway. Suspended sediment and temperature analysis. Location: 64 23.56' N, -161 49.40' W
Van Dorn 131 - water samples from 9 and 15 meters. Suspended sediment and temperature analysis. Location: 64 23.53' N, -161 49.20' W
Vibracore 131C - 174 cm recovery. Location: 64 23.56' N, -161 49.30' W
Soutar Grab 131D - approx. 28 cm recovery. 5GY 3/2 grayish olive green sandy silt overlying 5GY 2/1 greenish black cohesive silty clay. Fauna: polycheates & brittle stars. Preservation - very good, surface 1 mm appears present over most of grab, supernatant water, slight turbidity, drained with siphon. For more detailed description and sample photo - see Hans C. Nelson (USGS). Location: 64 23.80' N, -161 51.04' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 131 and Van Dorn 131

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|--|------------|--------------|---------------------------------|----------------------|
| WB131 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/7/76 |
| | | | | Grain Size & Composition | |
| VD131 | 9 & 15 m in H ₂ O Column | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/ 7 /76 |
| | _ | | | Grain Size & Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 131C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|--------------------------------------|---------|
| 1 | 4 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 7 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 10 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 19 cm | Ed Clukey | USGS | Compression | 10/7/76 |
| | 20 cm | Ed Clukey | USGS | Water Content | 10/7/76 |
| | 25 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 25 cm | Hans C. Nelson | USGS | Carbon & Pb ₂₁₀ Dating | 10/7/76 |
| | 40 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/7/76 |
| | 50 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 52 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 55 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 70 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/7/76 |
| | 85 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 92 cm | Hans C. Nelson | USGS | Carbon | 10/7/76 |
| | 100 cm | Ed Clukey | USGS | Vane Shear & Water Content | 10/7/76 |
| | 100 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 100 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 105 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 107 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | | Continued | | | |

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 131C Continued

| ı | | | 1 | 1 | |
|---------------|----------|----------------|--------------|--|---------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 1 | 115 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 130 cm | Ed Clukey | USGS | Vane Shear & Water Content Radiocarcon | 10/7/76 |
| | 135 cm | Hans C. Nelson | USGS | Dating | 10/7/76 |
| | 138 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 142 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 144 cm | Hans C. Nelson | USGS | Carbon | 10/7/76 |
| | 150 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 170 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/7/76 |
| | 170 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 174 cm | Ed Clukey | USGS | Water Content | 10/7/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 131D

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|---------------------------------------|
| | 0-2 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/7/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/7/76 |
| | 0-4 cm | Kaplan/Sandstrom | UCLA | Storage | 10/7/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/7/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/7/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/7/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Storage | 10/ 7 /76 |
| | 0-2 cm | Hans C. Nelson | USGS | Forams | 10/ 7 /76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/ 7 /76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/ 7 /76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 064 ⁰ 10.09' N | DATE |
| LONGITUDE | -161 ⁰ 39.90' W | TYPE OF STORAGE(check one) |
| STATION NO. | 132 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 132 | 15 m | Surface Samp. | | |
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REMARKS:

Water Bucket 132 - surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 132 |
|---------------------|-----------------------------|
|---------------------|-----------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|--|--------------|---|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/7/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|-------------------------------|----------------------------|
| LATITUDE | 064 ⁰ 5.29-5.66' N | DATE7/10/76 |
| LONGITUDE | -161° 36.22-36.78' W | TYPE OF STORAGE (check one |
| STATION NO. | 133 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 133 | Surface | | | |
| Van Dorn 133 | 8 & 17 m | | | |
| Box Core 133A | 20 m | 46 cm | | |
| Vibracore 133B | 20 m | 173 cm | | |
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REMARKS:

Water Bucket 133 - surface sample, underway. Suspended sediment and temperature analysis. Location: 64° 5.66' N, -161° 36.56' W
Van Dorn 133 - water samples from 8 and 17 meters. Suspended sediment and temperature analysis. Location: 64° 5.29' N, -161° 36.22' W
Box Core 133A - recovered about 46 cm of fine sand and muddy silt. Bioturbated throughout, occasional small and one large pebble. For detailed sample description and photo - see Hans C. Nelson (USGS). Location: 64° 5.62'N, -161° 36.78'W
Vibracore 133B - recovered about 173 cm of muddy silt. Some compaction at top of core. Location: 64° 5.63' N, -161° 36.71' W

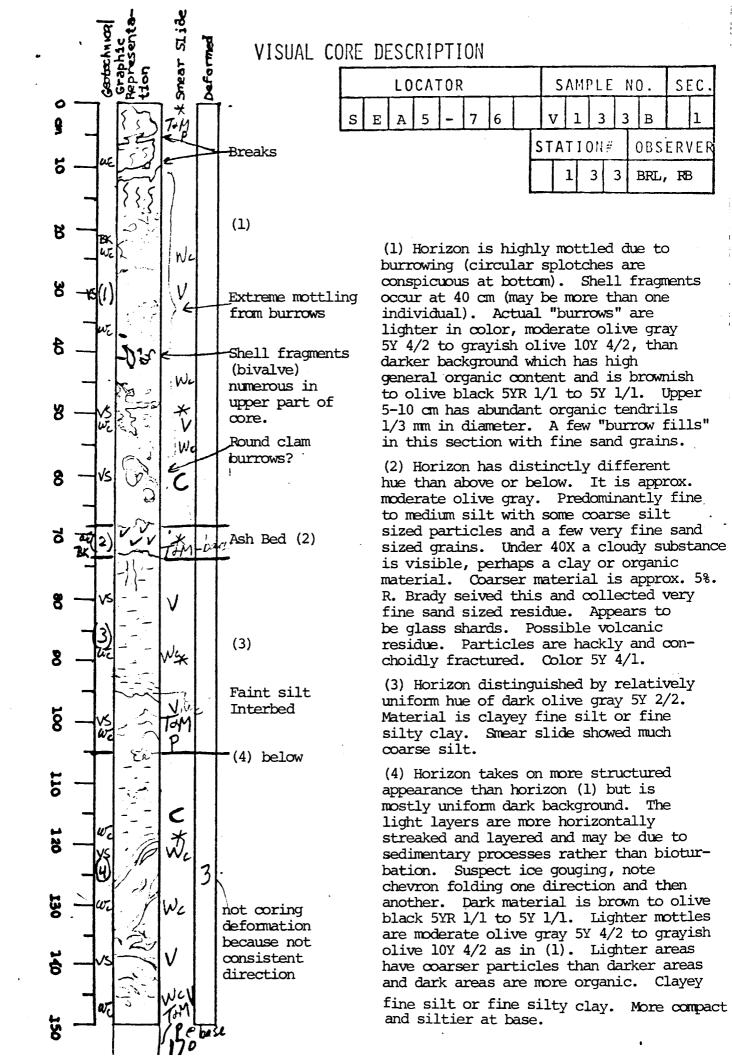
LOCATOR: SEA5-76-BS

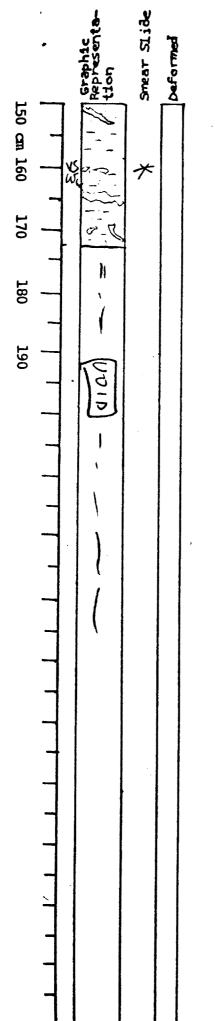
SAMPLE NO:Water Bucket 133 and Van Dorn 133

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|-----------------|---|-------------------|--------------|--|---------|
| Water Bucket | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/7/76 |
| Van Dorn | 8 & 17 meter in H ₂ O Colum | s n Dave Drake | USGS | Tot. Part. Wt. Combustible% Grain Size & Composition | 10/7/76 |
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LOCATOR: SEA5-76-BS SAMPLE NO: Box Core 133A

| SECTION | Approximate | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|------------------------------|-------------------|--------------|-----------------------------|---------|
| 1 | 0,6,11,16,21 26,31,36,41, | :46cm Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 0,16, cm | Ed Clukey | USGS | Tor Vane | 10/7/76 |
| | 2,10,14,21,2 31,36 & 46 c | ō, n Ed Clukey | USGS | Water Content | 10/7/76 |
| | 5 & 16 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/7/76 |
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VISUAL CORE DESCRIPTION

| LOCATOR | | | | SAMPLE NO. | | | SEC. | | | | | | | |
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| STATION# | | | | | 0 B S I | ER | /ER | | | | | | | |
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Horizon (4) continued.

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 133B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------------------|----------------|--------------|-----------------------------|---------|
| 1 | 5 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 5 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 10 & 24 cm Ed Clukey | | USGS | Water Content | 10/7/76 |
| | 21 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/7/76 |
| | 30,50&60 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 35,52,56 cm | Ed Clukey | USGS | Water Content | 10/7/76 |
| | 45 cm | Ed Clukey | USGS | Water Content | 10/7/76 |
| | 60&115 cm | Hans C. Nelson | USGS | Carbon Content | 10/7/76 |
| | 72&100 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| | 71,89,102 cm | Ed Clukey | USGS | Water Content | 10/7/76 |
| | 74 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/7/76 |
| | 80,100,122 on | n Ed Clukey | USGS | Vane Shear | 10/7/76 |
| | 104 cm | Hans C. Nelson | USGS | Paleontology | 10/7/76 |
| | 118,130,147 | n Ed Clukey | USGS | Water Content | 10/7/76 |
| 1 & 2 | 140&160 cm | Ed Clukey | USGS | Vane Shear | 10/7/76 |
| 1 | 150 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/7/76 |
| 2 | 160 cm | Ed Clukey | USGS | Water Content | 10/7/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 063 ⁰ 53.94' N | DATE |
| LONGITUDE | -161 ⁰ 19.64' W | TYPE OF STORAGE(check one) |
| STATION NO. | 134 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 134 | 15 m | Surface Samp. | | |
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REMARKS:

Water Bucket 134 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 134

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. WT. Combustible % | 10/7/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | -063 ⁰ 53 47' N | DATE10/7/76 |
| LONGITUDE | -160 [°] 57.34' W | TYPE OF STORAGE (check one) |
| STATION NO. | 135 | |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 135 | 12 m | Surface Samp. | | |
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REMARKS:

Water Bucket 135 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 135

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/7/76 |
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| LATITUDE 06 | A5-76-BS 3 ^O 39.34' N 1 ^O 07.48' W | | | DAY/MONTH/YEA E 7/10/76 E OF STORAGE(che Y COLD FROZ | ck one |
|---|--|----------------|--------------------|--|--------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 136 | ll m | Surface Samp. | | | |
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REMARKS:

Water Bucket 136 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 136

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/7/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 063 [°] 40.83-40.91' N | DATE <u>7-8/10/76</u> |
| LONGITUDE | -161 [°] 13.03-12.98' W | TYPE OF STORAGE(check one) |
| STATION NO. | 137 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|---------------------------------------|--------------------------|---------------------------------------|--------------------|------------------|
| Water Bucket 137 | 14 m | Surface Samp | | |
| Van Dorn 137 | 14 m | 6 & 12 m | | |
| Vibracore 137A | 14 m | No Recovery | | |
| Vibracore 137B | 14 m | 162 cm | | |
| Soutar Grab 137C | 14 m | 30 cm | | |
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REMARKS:

Water Bucket 137 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63° 40.91' N, -161 13.01' W

Van Dorn 137 - water samples from 6 and 12 meters. Suspended sediment and temperature analysis. Location: 63 40.91' N, -161 13.03' W

Vibracore 137A - No Recovery Vibracore 137B - recovered about 162 cm of clayey silt. Location: 63° 40.90'N, -161° 13.00' W

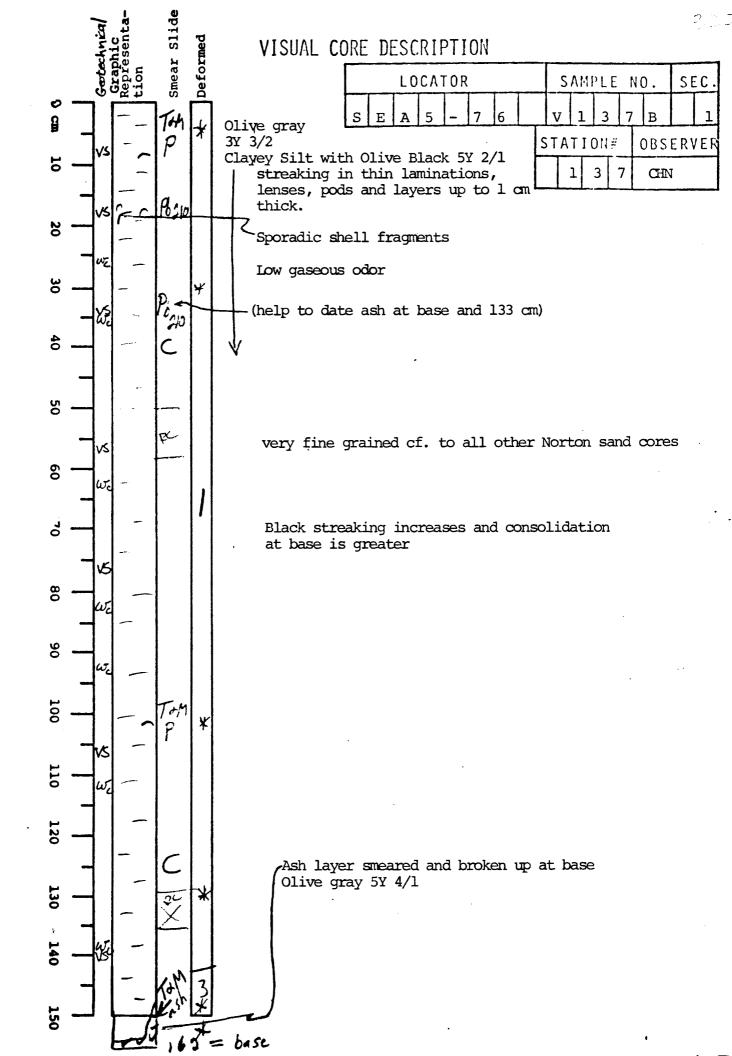
Soutar Grab 137C - 30 cm of silty clay recovered. Moderate brown 5YR 3/4 sandy silt surface layer about 2 cm, overlying greenish black 5G 2/1 cohesive silty clay. Fauna: polycheates, brittle stars. Preservation is good, material representing surface 1 cm appears present over entire grab, supernatent water moderate turbidity siphoned off, surface uneven. Location: 63°40.85'N, -161°12.98' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 137 and Van Dorn 137

STATION NO: 137.

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|--------------|------------|--------------------|---|---|
| Surface | Dave Drake | USGS | Tot. Part. Wt. Composition Grain Size & | 10/7/76 |
| | | | Combustible % | |
| 6 & 12 meter | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/7/76 |
| | | | Grain Size & Composition | |
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| | Surface | Surface Dave Drake | Surface Dave Drake USGS | Surface Dave Drake USGS Tot. Part. Wt. Composition Grain Size & Combustible % Tot. Part. Wt. Combustible % Tot. Part. Wt. Combustible % Grain Size & Grain Size & Grain Size & |



LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 137B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|------------|----------------|--------------|---------------------------|---------|
| 1 | 3 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 6 cm | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 8,18&34 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| | 18&35 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/8/76 |
| | 25&35 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 40 cm | Hans C. Nelson | USGS | Carbon Content | 10/8/76 |
| | 55 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/8/76 |
| | 56&76 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| | 63&83 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 92&112 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 100 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 103 cm | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 116&140 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| | 139 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 125 cm | Hans C. Nelson | USGS | Carbon Conten | 10/8/76 |
| | 131 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/8/76 |
| | 150 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
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LOCATOR: SEA5-76-BS SAMPLE NO: Soutar Grab 137C

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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|---------|
| 1 | 0-2 cm | Kaplan/Sandstrom | ÚCLA | Hydrocarbons | 10/8/76 |
| | 0-2 cm | Kaplan/Sandstrom | UCLA | Storage | 10/8/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/8/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Storage | 10/8/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | unk. | Kaplan/Sandstrom | UCIA | Elemental-C,N, S Analysis | 10/8/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Sample | 10/8/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Forams | 10/8/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/8/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/8/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Light Hydrocarbons | 10/8/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Storage | 10/8/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 42.19' N | DATE <u>8/10/76</u> |
| LONGITUDE | -161 ⁰ 31.88' W | TYPE OF STORAGE (check one) |
| STATION NO. | 138 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 138 | 16 m | Surface Samp. | | |
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REMARKS:

Water Bucket 138 - surface sample, underway. Suspended sediment and temperature analysis.

| OCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 138 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 34.50' N | DATE |
| LONGITUDE | -162 ⁰ 00.17' W | TYPE OF STORAGE (check one) |
| STATION NO. | 139 | |
| LINE NO. | | DRY COLD FROZEN |
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| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 139 | 12 m | Surface Samp. | | |
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REMARKS:

Water Bucket 139 - surface sample, underway. Suspended sediment and temperature analysis.

| OCATOR: SEA5-76-BS | SAMPLE | NO: | Water Bucket | <u>1</u> 39 |
|--------------------|----------|------|--------------|-------------|
| OCATOR: BEAD-70-DS | OMITTEE. | 110. | March Ducker | _ <u></u> |

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/8/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 38.54' N | DATE8/10/76 |
| LONGITUDE | -162 ⁰ 23.11' W | TYPE OF STORAGE (check one) |
| STATION NO. | 140 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 140 | 13 m | Surface Samp | | |
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REMARKS:

Water Bucket 140 - surface sample, underway. Suspended sediment and temperature analysis.

| OCATOR: SEA5-76-BS | SAMPLE NO: Water Bucket 140 |
|--------------------|-----------------------------|
| _UCTIUN:SEAS=76=BS | CALL CL TO MALEL BUCKEL 14 |

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--|--|---------|
| H ₂ O | Surface | Dave Drake | ÚSGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/8/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 063 ^O 39.55-39.65' N | DATE8/10/76 |
| LONGITUDE | -162° 29.32-29.40' W | TYPE OF STORAGE (check one) |
| STATION NO. | 141 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Box Core 141A | 9 m | 24 cm | | |
| Box Core 141B | 9 m | 24 cm | | |
| Vibracore 141C | 9 m | No Recovery | | |
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REMARKS:

Box Core 141A - recovered about 24 cm of fine sand and silty sand. Location: 63° 39.55'N, -162° 29.32'W

Box Core 141B - recovered about 24 cm of fine sand and silty sand. Location: 63° 39.65'N, -162 29.40'W

For more detailed sample description - see Hans C. Nelson (USGS)

LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 141

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|----------|---------------------------------------|---|--|---|
| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 0 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| 2 cm | Ed Clukey | USGS | Bulk Density | 10/8/76 |
| 4 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| 9 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| 10 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| 14 cm | Ed Clukey | USGS | Consolidation | 10/8/76 |
| 16 cm | Ed Clukey | USGS | Vane Shear | 10/8/76 |
| 20 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
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| | 0 cm 2 cm 4 cm 9 cm 10 cm 14 cm 16 cm | 0 cm Ed Clukey 2 cm Ed Clukey 4 cm Ed Clukey 9 cm Ed Clukey 10 cm Ed Clukey 14 cm Ed Clukey 16 cm Ed Clukey | 0 cm Ed Clukey USGS 2 cm Ed Clukey USGS 4 cm Ed Clukey USGS 9 cm Ed Clukey USGS 10 cm Ed Clukey USGS 14 cm Ed Clukey USGS 16 cm Ed Clukey USGS | 0 cm Ed Clukey USGS Vane Shear 2 cm Ed Clukey USGS Bulk Density 4 cm Ed Clukey USGS Vane Shear 9 cm Ed Clukey USGS Water Content 10 cm Ed Clukey USGS Vane Shear 14 cm Ed Clukey USGS Consolidation 16 cm Ed Clukey USGS Vane Shear |

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 41.34' N | DATE8/10/76 |
| LONGITUDE | -162 ⁰ 42.41' W | TYPE OF STORAGE (check one) |
| STATION NO. | 142 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 142 | 16 m | Surface Samp | | |
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REMARKS:

Water Bucket 142 - surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | SAMPLE NO: <u>Water Bucket 1</u> 42 |
|---------------------|-------------------------------------|
|---------------------|-------------------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/8/76 |
| | | | | Grain Size & Composition | |
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| LATITUDE | SEA5-76-BS 063 ⁰ 38.06' N 162 ⁰ 49.78' W | | | DAY/MONTH/YEAR E | one |
|--------------------------|--|----------------|--------------------|-------------------|-----|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 143 | 14 m | Surface Samp. | | | |
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REMARKS:

Water Bucket 143 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 143

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/8/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|----------------------------|
| LATITUDE | 063 ⁰ 30.35' N | DATE <u>8/10/76</u> |
| LONGITUDE | -162 ⁰ 58.07' W | TYPE OF STORAGE (check one |
| STATION NO. | 144 | |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 144 | 10 m | Surface Samp | | |
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REMARKS:

Water Bucket 144 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 144

| SECTION INTERVAL NAME | | NAME | ORGANIZATION | PURPOSE | DATE |
|--|---------|------------|--------------|--|---------|
| Н ₂ О | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/8/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063° 21.69-22.02' N | DATE <u>8/10/76</u> |
| LONGITUDE | -163 ⁰ 06.63-06.74' W | TYPE OF STORAGE (check one) |
| STATION NO. | 145 | x |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOITIOM |
|--------------------------|--------------------------|-------------------------|--------------------|-------------------|
| Water Bucket 145 | 18 m | Surface Samp. | | |
| Van Dorn 145 | 18 m | Sample at 4.5 meters | | |
| Vibracore 145 | ? | 94 cm | | |
| Box Core 145A | 8 m | 19 cm | | |
| Box Core 145B | 8 m | No Recovery | | |
| Box Core 145C | 8 m | No Recovery | | |
| Box Core 145D | 8 m | 16 cm | | |
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REMARKS:

Water Bucket 145 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63 22.01'N, -163 06.63'W

Van Dorn 145 - sample from 4.5 meters in water column. Suspended sediment and temperature analysis. Location: 63 22.02'N, -163 6.67'W

Vibracore 145 - approx. 94 cm recovered. Exact location unknown.

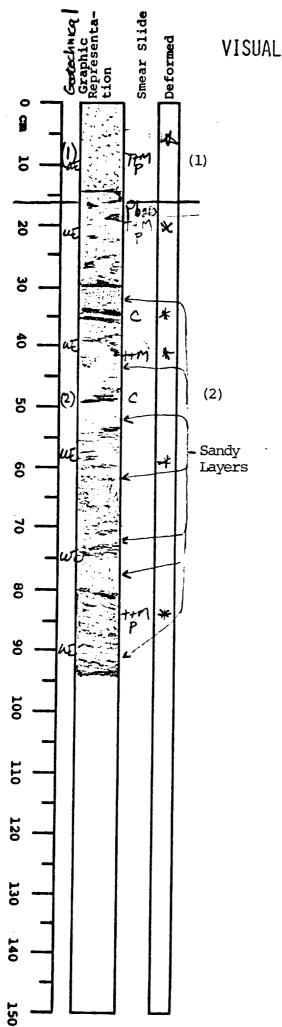
Box Core 145A - recovered about 19 cm. Brownish sand to 7 cm then transgresses to gray silty sand to 19 cm. Location: 63 21.69'N, -163 06.74'W

Box Core 145D - recovered about 16 cm. 0-5 cm is clayey silt with lenses of medium sand, some bioturbation. 5 to 12-15 cm is 10YR 4/2 medium rounded quartz sand. 12-15 to 16 cm is 5YR 3/2 to N2 very fine moderately sorted sand with organics, some bioturbation. For more detailed sample description and photos, see Hans C. Nelson (USGS). Location: 63 22.01'N, -163 6.63'W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 145 and Van Dorn 145

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|-------------------------|------------|---|---|---|
| Surface | Dave Drake | USGS | Combustible % | 10/8/76 |
| | | | Grain Size and Composition | |
| Sample at 4.5 meters | Dave Drake | USGS | Combustible % | 10/8/76 |
| | | | Grain Size & Composition | |
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| | <u> </u> | | | |
| | Surface | Surface Dave Drake Sample at 4.5 meters Dave Drake | Surface Dave Drake USGS Sample at 4.5 meters Dave Drake USGS | Surface Dave Drake USGS Combustible % Grain Size and Composition Sample at 4.5 meters Dave Drake USGS Tot. Part. Wt. Combustible % Grain Size & Composition Tot. Part. Wt. Combustible % Grain Size & Composition |



VISUAL CORE DESCRIPTION

| LOCATOR | | | | | SAMPLE NO. | | | | SEC. | | | | | |
|---------|---|---|---|---|------------|---|--|----------|------|--|-----|----------|--|---|
| s | E | A | 5 | - | 7 | 6 | | V 1 4 5 | | | | | | 1 |
| | | | | - | | | | STATION# | | | | OBSERVER | | |
| | | | | | | | | 1 4 5 | | | BRI | , | | |

- (1) Relatively clean fine and very fine sand Opaques 20-30%, but predominately quartz. Grains sub-rounded. Color is about olive brown 5Y 3/4 to 5Y 2/4. Fairly well sorted.
- (2) Consists of alternating layers, beds and patches of fairly clean very fine to fine sand and black organic silt, probably medium size range. Some sandy areas are siltier than others in this horizon. The sand grains are much more angular than in top horizon. Some glass chards were observed in a 42 cm horizon. The sands vary from olive gray 5Y 3/2 to gray olive 10Y 3/2. The dark organic silts are roughly brownish black 5YR 2/1 to 5YR 1/1 or olive black 5Y 1/1. May be a clay component in dark silt. Sandy layer at 52 cm appears to have a higher mica content than elsewhere.

Note: clean fine sand at top possible 74 stormlag? Clean oxidized sand at top cf to other silty sand in cores.

LOCATOR: SEA5-76-BS

SAMPLE NO: Vibracore 145

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|---------------|----------------|--------------|---------------------------|---------|
| 1 | 10 cm | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 10 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 10 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 17 cm | Hans C. Nelson | uscs | Pb ₂₁₀ Dating | 10/8/76 |
| | 20 cm | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 20 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 20 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 35 cm | Hans C. Nelson | USGS | Carbon Content | 10/8/76 |
| | 40 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 42 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 49 cm | Hans C. Nelson | USGS | Carbon Content | 10/8/76 |
| | 58 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 7 5 cm | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 85 cm | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 85 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 90 cm | Ed Clukey | USGS | Water content | 10/8/76 |
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LOCATOR: SEA5-76-BS SAMPLE NO: Box Core 145A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------------------|-----------|--------------|-----------------------------|---------|
| 1 | 3-6 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/8/76 |
| | 16-19 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/8/76 |
| | 2-5 cm | Ed Clukey | USGS | Bulk Density | 10/8/76 |
| | 15-17 cm | Ed Clukey | USGS | Bulk Density | 10/8/76 |
| | 3 Samples 0-14 cm | Ed Clukey | USGS | Triax. Shear | 10/8/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 145D

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------|----------------|--------------|-----------------------------|---------|
| | | | | Texture and | |
| 1 | 0-5 cm | Hans C. Nelson | USGS | Mineralogy | 10/8/76 |
| | 11 | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 11 | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 11 | Ed Clukey | USGS | Bulk Physical Properties | 10/8/76 |
| | 11 | Ed Clukey | USGS | Triax. Shear | 10/8/76 |
| | 5 to 12-15 | Ed Clukey | USGS | Triax. Shear | 10/8/76 |
| | II | Ed Clukey | USGS | Water Content | 10/8/76 |
| | 11 | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | " | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 12-15 to 16 | Hans C. Nelson | USGS | Texture and Mineralogy | 10/8/76 |
| | 11 | Hans C. Nelson | USGS | Paleontology | 10/8/76 |
| | 11 | Ed Clukey | USGS | Water Content | 10/8/76 |
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| SHIP / LEG _ | SEA5-76-BS | DAY/MONTH/YEAR |
|--------------|----------------------------|----------------------------|
| LATITUDE _ | 063 ⁰ 37.84' N | DATE9/10/76 |
| LONGITUDE _ | -163 ⁰ 29.37' W | TYPE OF STORAGE (check one |
| STATION NO | 146 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|---|--------------------------|----------------|--------------------|------------------|
| Water Bucket 146 | 16 m | Surface Samp. | | |
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REMARKS:

Water Bucket 146 - surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR: SEA5-76-BS | |
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SAMPLE NO: Water Bucket 146

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 [°] 47.12-47.18' N | DATE9/10/76 |
| LONGITUDE | -163 [°] 42.17-42.45' W | TYPE OF STORAGE (check one) |
| STATION NO. | 147 | X |
| IINF NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|------------------------|--------------------|------------------|
| Water Bucket 147 | 17 m | Surface Samp | | |
| Van Dorn 147 | 1 7 m | Samples at 9 & 15 m | | |
| Soutar Grab 147 | 17 m | 20 cm | | |
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REMARKS:

Water Bucket 147 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63° 47.18' N, -163° 42.17' W
Van Dorn 147 - samples from 9 & 15 meters in water column. Suspended sediment and temperature analysis. Location: 63° 47.13'N, -163° 42.39'W
Soutar Grab 147 - approx. 20 cm recovered. Olive black 5Y 2/1 sandy silt, very soupy surface layer (0-6 cm), grayish black sand below. Fauna: starfish and pelecypods. Location: 63° 47.12'N, -163° 42.45'W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 147 and Van Dorn 147

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------|--------------|--|---------|
| WB 147 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
| VD 147 | 9 & 15 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
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LOCATOR: SEA5-76-BS SAMPLE NO: Soutar Grab 147

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------|------------------|--------------|------------------------------|---------|
| 1 | 0-2 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/9/76 |
| | 0-2 cm | Kaplan/Sandstrom | UCLA | Storage | 10/9/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/9/76 |
| | 2-4 cm | Kaplan/Sandstrom | UCLA | Storage | 10/9/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/9/76 |
| | 0-2 cm | Hans. C. Nelson | USGS | Pb ₂₁₀ Dating | 10/9/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/9/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Hydrocarbon | 10/9/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Formas | 10/9/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Light HC's Gas Sample | 10/9/76 |
| | unk. | Keith Kvenvolden | USGS | Light HC's Gas Sample | 10/9/76 |
| | 2-10 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/9/76 |
| | 2-6 cm | Ed Clukey | USGS | Density | 10/9/76 |
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| LATITUDE LONGITUDE | 063 | 5-76-BS 54.96' N 37.66' W | | | DAY/MONTH/YEAR E 9/10/76 E OF STORAGE(check Y COLD FROZEN | one) |
|------------------------|--------------|-----------------------------|----------------|--------------------|---|------|
| SAMPLE NO TYPE & II | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket l | L 4 8 | 18 m | Surface Samp. | | | |
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REMARKS:

Water Bucket 148 - surface sample, underway. Suspended sediment and temperature analysis.

| LOCATOR:_s | EA5-76-BS |
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SAMPLE NO: Water Bucket 148

| SECTION | INTERVAL | MANG | Topony | | |
|------------------|----------|------------|--------------|--|--|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR | |
|-------------|--------------------------------|-----------------------------|--|
| LATITUDE | 064 ⁰ 08.46-08.60'N | DATE9/10/76 | |
| LONGITUDE | -163° 29.87-30.08'W | TYPE OF STORAGE (check one) | |
| STATION NO. | 149 | X | |
| LINE NO. | | DRY COLD FROZEN | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Box Core 149A | 21 m | 16 cm | | |
| Box Core 149B | 21 m | No Recovery | | |
| Box Core 149C | 21 m | ?Recovery? | | |
| Van Dorn 149 | 21 m | Recovery | | |
| Water Bucket 149 | 20 m | Recovery | | |
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REMARKS:

Box Core 149A - recovered 16 cm of bioturbated sand. 0-3 cm, 10YR 4/2, dark yellowish brown sand, medium grained, rounded-sub-rounded, moderate sorting. Very thin silt layer on surface, numerous polycheate tubes. 3-16 cm, 5Y 3/2, olive gray, fine to very fine, rounded to sub-angular poorly sorted sand. Siltier towards top, contains biyalve fragments. For sample photo - see Hans C. Nelson (USGS). Location: 64 8.47'N, -163 30.06'W
Box Core 149C - no sample description found. Location: 64 8.46'N, -163 30.08'W
Van Dorn 149 - samples from 10 & 18 meters in water column. Suspended sediment and temperature analysis. Location: 64 8.60'N, -163 30.05'W
Water Bucket 149 - surface sample, underway. Suspended sediment and temperature analysis. Location: 64 8.60'N, -163 29.87'W

SAMPLE NO: Box Core 149A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-----------------------------|---------|
| 0-14 cm | | Ed Clukey | USGS | Triax. Shear | 10/9/76 |
| 0-3 cm | l Sample | Hans C. Nelson | USGS | Texture and Mineralogy | 10/9/76 |
| 3-16 cm | <u></u> | Hans C. Nelson | USGS | Texture and Mineralogy | 10/9/76 |
| 0-3 cm | l Sample | Ed Clukey | USGS | Bulk Physical Properties | 10/9/76 |
| 11-14cm | l Sample | Ed Clukey | USGS | Bulk Physical Properties | 10/9/76 |
| 0-2 cm | l Sample | Ed Clukey | USGS | Density | 10/9/76 |
| 11-13cm | 1 Sample | Ed Clukey | USGS | Density | 10/9/76 |
| Top | l Sample | Ed Clukey | USGS | Water Content | 10/9/76 |
| Base | l Sample | Ed Clukey | USGS | Water Content | 10/9/76 |
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SAMPLE NO: Van Dorn 149 and Water Bucket 149

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------------------------|------------|--------------|--|---------|
| VD 149 | H ₂ O at 10 & 18 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
| WB 149 | Surface Sample | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|----------------------------|
| LATITUDE | 064° 17.98-18.06'N | DATE9/10/76 |
| LONGITUDE | -163 ⁰ 59.81-59.86'W | TYPE OF STORAGE (check one |
| STATION NO. | 150 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 150 | 18 m | Recovery | | |
| Van Dorn 150 | 18 m | Recovery | | |
| Box Core 150A | 18 m | 16 cm | | |
| Box Core 150B | 18 m | ?Recovery? | | |
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REMARKS:

Water Bucket 150 - surface Sample, underway. Suspended sediment and temperature analysis. Location: 64 17.98'N, -163 59.86'W

Van Dorn 150 - samples from 6 and 15 meters in water column. Suspended sediment and temperature analysis. Location: 64 17.98'N, -163 59.86'W

Box Core 150A - recovered 16 cm. 0-1 cm, 10YR 4/2 dark yellowish brown, medium to fine, moderate to poorly sorted sand with silt layer on surface. 1-15 cm, 5Y 3/2 olive gray, medium to very fine, poorly sorted quartz silty sand. Sediment is well consolidated with some desication cracks. No obvious stratification. For more complete sample description and photo - see Hans C. Nelson (USCS). Location: 64 18.00'N, -163 59.84' W.

Box Core 150B - No sample description found. Location: 64 18.06'N, -163 59.81'W

SAMPLE NO: Van Dorn 150 and Water Bucket 150

| SECTION | | NAME | ORGANIZATION | PURPOSE | DATE |
|----------------|---------------------------------|------------|--------------|--|---------|
| V D 150 | H ₂ O at 6 & 15 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
| WB 150 | Surface H ₂ O | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/9/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 150A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|---------|
| SECTION | HHIERVAL | INVINE | UNGANTZATTUN | Bulk Physical | DATE |
| 1 | 0-3 cm | Ed Clukey | USGS | Properties | 10/9/76 |
| | 0-1 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/9/76 |
| | 0-2 cm | Ed Clukey | USGS | Density | 10/9/76 |
| | 10-12 cm | Ed Clukey | USGS | Density | 10/9/76 |
| | Surface | Ed Clukey | USGS | Vane Shear | 10/9/76 |
| | 7 cm | Ed Clukey | USGS | Vane Shear | 10/9/76 |
| | 0-14 cm | Ed Clukey | USGS | 2 Samples Triax. Shear | 10/9/76 |
| | 1-15 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/9/76 |
| | Top | Ed Clukey | USGS | Water Content | 10/9/76 |
| | Base | Ed Clukey | USGS | Water Content | 10/9/76 |
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| SHIP / LEG | SE | A5-76-BS | | | DAY/MONT | TH/YEAR | |
|-------------|-----|------------------------|------|-------|------------|---------|-----|
| LATITUDE | 06 | 4 ⁰ 10.94'N | | DATI | _ | • | |
| LONGITUDE | -16 | 4 ⁰ 14.47'W | | TYP | e of stora | E(check | one |
| STATION NO. | 15 | 1 | | | | | |
| LINE NO. | | | ···· | DR | Y COLD | FROZEN | |
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| SAMPLE N | 0. | UNCORRECTED | CORE | BASIC | AGE OF | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|--|--------------------|------------------|
| Water Bucket 151 | 18 m | Recovery | | |
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REMARKS:

Water Bucket 151 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 151

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---------------------------------|---------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/9/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 4.97-5.09' N | DATE 10/10/76 |
| LONGITUDE | -164 ^O 25.96-26.43' W | TYPE OF STORAGE (check one) |
| STATION NO. | 152 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 152 | 23 m | Recovery | | |
| Van Dorn 152 | 22 m | Recovery | | |
| Box Core 152A | 22 m | 29 cm | | |
| Soutar Grab 152B | 22 m | 20 cm | | |
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REMARKS:

Water Bucket 152 - surface sample, underway. Suspended sediment and temperature analysis. Location: 64° 5.09'N, -164° 26.43'W

Van Dorn 152 - samples from 15 and 21 meters in water column. Suspended sediment and temperature analysis. Location: 64° 5.04'N, -164° 26.30' W

Box Core 152A - recovered 29 cm. 0-2 cm 5Y 3/2 olive gray medium to fine grained poorly sorted, silty quartz sand. 2-29 cm 5GY 3/2 grayish olive green to N3 dark gray medium to fine grained, silty quartz sand. Looks bioturbated, 4 cm dolomite pebble. For more detailed description and sample photo - see Hans C.

Nelson (USGS). Location: 64° 5.09'N, -164° 26.43' W.

Soutar Grab 152B - recovered 20 cm. 5GY 3/2 grayish olive green sandy silt, soupy surface layer (0-6 cm), compact blackish green sandy silt below surface.

For more detailed description - see Hans C. Nelson (USGS). Location: 64° 4.97'N, -164° 25.96' W

SAMPLE NO: Van Dorn 152 and Water Bucket 152

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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------------------|------------|--------------|---|----------|
| VD 152 | Samples at 15 & 21 m | Dave Drake | USGS | Tot. Part. WT. Combustible % Grain Size & | 10/10/76 |
| WB 152 | Surfaœ H ₂ O | Dave Drake | USGS | Composition Tot. Part. Wt. Combustible % Grain Size & | 10/10/76 |
| | | | | Composition | |
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SAMPLE NO: Box Core 152A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------------------|----------------|--------------|-----------------------------|----------|
| 1 | 0-2 cm 3-5 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| _ | 22-24 cm 27-28 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | 0-4 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/10/76 |
| | 24-30 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/10/76 |
| | 2-4 cm | Ed Clukey | USGS | Density | 10/10/70 |
| | 11.5-13.5cm | Ed Clukey | USGS | Density | 10/10/7 |
| | 19-21 cm | Ed Clukey | USGS | Density | 10/10/7 |
| | 26-28 cm | Ed Clukey | USGS | Density | 10/10/7 |
| | 3 cm | Ed Clukey | USGS | Water Content | 10/10/7 |
| | 10 cm | Ed Clukey | USGS | Water Content | 10/10/7 |
| | 20 cm | Ed Clukey | USGS | Water Content | 10/10/7 |
| | 28 cm | Ed Clukey | USGS | Water Content | 10/10/7 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 152B

211

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|----------|
| 1 | 0-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/10/76 |
| | 0-4 cm | Kaplan/Sandstrom | UCLA | Archive | 10/10/76 |
| · | unk. | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/10/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/10/76 |
| | 0-2 cm | Hans. C. Nelson | USGS | Forams | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/10/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 57.20'N | DATE10/10/76 |
| LONGITUDE | -164 ^O 30.13' W | TYPE OF STORAGE (check one) |
| STATION NO. | 153 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 153 | 18 m | Recovery | | |
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REMARKS:

Water Bucket 153 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 153

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|----------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/10/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 45.03-45.05' N | DATE 10/10/76 |
| LONGITUDE | -164° 37.34-37.41' W | TYPE OF STORAGE (check one) |
| STATION NO. | 154 | X |
| I TNE NO | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 154 | 18 m | Recovery | | |
| Van Dorn 154 | 18 m | Recovery | | |
| Soutar Grab 154A | 18 m | 20 cm | | |
| Box Core 154B | 18 m | 29 cm | | |
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REMARKS:

Water Bucket 154 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63° 45.04' N, -164° 37.41' W Van Dorn 154 - samples from 10 and 16 meters in water column. Suspended sediment and temperature analysis. Location: 63° 45.04' N, -164° 37.39' W Soutar Grab 154A - approx. 20 cm recovered. Olive gray (5Y 3/2) silty clay, soupy on surface, more cohesive clay below about 6 cm - no fauna evident. For more complete description - see Hans C. Nelson (USGS). Location: 63 45.03 N, -164° 37.41' W. Box Core 154B - 29 cm recovered. 0-8cm, mottled grayish olive green to light olive gray pods and lenses of silt in a sand matrix. 8-9cm, grayish olive green

silt. 9-29cm, mottled, lenses of olive green silt in a matrix of fine quartz sand. Some black organics. For more detailed description and sample photos - see Hans C. Nelson (USGS). Location: 63° 45.05'N, -164 $^{\circ}$ 37.34' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 154 and Van Dorn 154

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|---------------------------------------|------------|--------------|---|----------|
| WB154 | H ₂ O at Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/10/76 |
| | | | | Composition | |
| VD154 | H ₂ O at 10 & 16 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | |
| | | | | Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 154A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|-----------|
| 1 | 0-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/10/76 |
| | 0-4 cm | Kaplan/Sandstrom | UCLA | Archive | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Samp | .10/10/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Forams | 10/10/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/10/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Trace Metals | 10/10/76 |
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SAMPLE NO: Box Core 154B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-----------------------|--------------------|--------------|---------------------------|----------|
| 1 | 0-3 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | 27-29 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/7 |
| | 0-3 and 4-5 cm | Ed Clukey | USGS | Water Content | 10/10/7 |
| | 13-14 and 26-29 cm | Ed Clukey | USGS | Water Content | 10/10/7 |
| | 8-18 cm | Ed Cluk <u>e</u> y | USGS | Triax. Shear | 10/10/7 |
| | 8-13 cm | Ed Clukey | USGS | Consolidation | 10/10/7 |
| | 0 and 5 cm | Ed Clukey | USGS | Vane Shear | 10/10/7 |
| | 10 and 15 cm | Ed Clukey | USGS | Vane Shear | 10/10/7 |
| | 20, 25 and 29 cm | Ed Clukey | USGS | Vane Shear | 10/10/7 |
| | unk. | Hans C. Nelson | USGS | Paleontology | 10/10/7 |
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| LATITUDE No. LONGITUDE STATION NO155 | 5–76–BS Record | | | DAY/MONTH/YEAR OF STORAGE (check Y COLD FROZE | one) |
|--|--------------------------|-------------|--------------------|--|------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
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REMARKS:

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 [°] 28.33-28.38' N | DATE <u>10/10/76</u> |
| LONGITUDE | -165 ⁰ 19.58-19.73' W | TYPE OF STORAGE (check one) |
| STATION NO. | 156 | Х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Box Core 156A | 17 m | 37 cm | | |
| Soutar Grab 156B | 17 m | 15 cm | | |
| Van Dorn 156 | 18 m | Recovery | | |
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REMARKS:

Box Core 156A - recovered 37 cm. Alternating layers of 5Y 5/2 olive gray fine rounded quartz sand and 5GY 3/2 grayish olive green silt with low clay content. For more detailed description and sample photo - see Hans C. Nelson (USGS) Location: 63 28.38' N, -165 19.58' W

Soutar Grab 156B - recovered 15 cm. Olive gray 5Y 3/2 fine sand, no fauna

present. For more detailed description - see Hans C. Nelson (USGS)
Location: 63° 28.36' N, -165° 19.59' W
Van Dorn 156 - water samples from 6 and 16 meters. Suspended sediment and temperature analysis. Location: 63° 28.33' N, -165° 19.73' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 156A

250

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|---------------------|----------------|--------------|---------------------------|----------|
| 1 | 5-7 & 12-15 cm | Ed Clukey | USGS | Water Content | 10/10/76 |
| | 20-22 & 27-29 cm | Ed Clukey | USGS | Water Content | 10/10/76 |
| | 33-35 cm | Ed Clukey | USGS | Water Content | 10/10/76 |
| | 25 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/10/76 |
| | 0-3 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | 33-35 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | unk. | Hans C. Nelson | USGS | Paleontology | 10/10/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 156B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|----------|
| 1 | 0-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/10/76 |
| | 0-4 cm | Kaplan/Sandstrom | UCLA | Archive | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Samp | 10/10/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Forams | 10/10/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/10/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/10/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 156

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|------------------------------|----------|
| н ₂ 0 | 6 & 16 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/10/76 |
| | | | | Grain Size & Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 18.05-18.11' N | DATE |
| LONGITUDE | -165 ⁰ 03.19-03.30' W | TYPE OF STORAGE (check one) |
| STATION NO. | 157 | X |
| ITNE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Van Dorn 157 | 8 m | Recovery | | |
| Soutar Grab 157A | 8 m | 15 cm | | |
| Box Core 157B | 8 m | Sm. Amt. | | |
| Box Core 157C | 8 m | 17 cm | | |
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REMARKS:

Van Dorn 157 - water samples from 3 and 7 meters. Suspended sediment and temperature analysis. Location: 63 18.09' N, -165 3.22' W Soutar Grab 157A - recovered approx. 15 cm. Moderate olive brown 5Y 4/4 silty sand, small wood fragments present in surface layer, no fauna evident. Location: 63 18.05' N, -165 3.30' W Box Core 157B - small amount recovered, not described. Box Core 157C - 17 cm recovered. 0-1 cm, 5Y 5/2 light olive gray, fine grained quartz sand. 1-4 cm, 5GY 3/2 grayish olive green silt with low clay content. 4-17 cm, 5Y 5/2 light olive gray, fine to very fine rounded, micaceous quartz sand. For more detailed description and sample photo - see Hans C. Nelson (USCS) Location: 63 18.08' N, -165 3.21' W

SAMPLE NO: Van Dorn 157

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|--------------|------------|--------------|---|----------|
| н ₂ 0 | 3 & 7 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/10/76 |
| | | | | Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 157A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|----------|
| 1 | Surface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/10/76 |
| | Surface | Kaplan/Sandstrom | UCLA | Archive | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Archive | 10/10/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/10/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Samp | 10/10/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/10/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/10/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/10/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 157C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-----------------------------|----------|
| 1 | 2-4 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | 12-14 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/10/76 |
| | unk. | Hans C. Nelson | USGS | Paleontology | 10/10/76 |
| | 0-17 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/10/76 |
| | 8-12 cm | Ed Clukey | USGS | Water Content | 10/10/76 |
| | 4-8 cm | Ed Clukey | USGS | Water Content | 10/10/76 |
| | Surface | Ed Clukey | USGS | Vane Shear | 10/10/76 |
| | 5 cm | Ed Clukey | USGS | Vane Shear | 10/10/76 |
| | 12 cm | Ed Clukey | USGS | Vane Shear | 10/10/76 |
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| LONGITUDE | No F | emmi | | | DAY/MONTH/YEAR E OF STORAGE (checome) Y COLD FROZ | ck one) |
|--------------------------|------|--------------------------|----------------|--------------------|---|---------|
| SAMPLE NO. TYPE & ID. | | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM | |
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REMARKS:

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 062 ⁰ 58.58-58.61' N | DATE |
| LONGITUDE | -165 ⁰ 16.38-16.39' W | TYPE OF STORAGE (check one |
| STATION NO. | 159 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Van Dom 159 | 14 m | Recovery | | |
| Box Core 159A | 14 m | 22 cm | | |
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REMARKS:

Van Dorn 159 - samples from 7 and 13 meters in water column. Suspended sediment and temperature analysis. Location: 62° 58.58' N, -165 16.38' W

Box Core 159A - recovered approx. 22 cm. 0-17 cm 5Y 4/4 silty very fine sand, flat laminae and ripples. 17-18 cm 5YR 2/2 zone where peat and mica laminations 1 mm thick occur. 18-22 cm 5YR 3/2 clayey silt, sand lenses and blebs, highly bioturbated. For more detailed sample description and photo - see Hans C. Nelson (USGS). Location: 62 58.61' N, -165 16.39' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 159

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|---|------------|--------------|---------------------------------|------------|
| шО | 7 & 13 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/10/76 |
| н ₂ 0 | / & 13 III | Dave Diake | 0.00 | Grain Size & Composition | 237 237 73 |
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SAMPLE NO: Box Core 159A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-----------------------|----------|
| 1 | 0-3 cm | Ed Clukey | USGS | Water Content | 10/10/76 |
| | 0-14 cm | Ed Clukey | USGS | Triax. Shear | 10/10/76 |
| | 19 cm | Ed Clukey | USGS | Tor Vane | 10/10/76 |
| | 0-5 cm | Hans C. Nelson | USGS | Petrography | 10/10/76 |
| | 0-5 cm | Hans C. Nelson | USGS | Paleontology | 10/10/76 |
| | 15-17 cm | Hans C. Nelson | USGS | Petrography | 10/10/76 |
| | 15-17 cm | Hans C. Nelson | USGS | Paleontology | 10/10/76 |
| | 17-18 cm | Hans C. Nelson | USGS | Dating Radiocarbon | 10/10/76 |
| | 19-20 cm | Hans C. Nelson | USGS | Carbon Content | 10/10/76 |
| | 19-20 cm | Hans C. Nelson | USGS | Petrography | 10/10/76 |
| | 19-20 cm | Hans C. Nelson | USGS | Paleontology | 10/10/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 062 ⁰ 54.48-54.98' N | DATE11/10/76 |
| LONGITUDE | -165 ⁰ 06.64-07.99' W | TYPE OF STORAGE (check one) |
| STATION NO. | 160 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Van Dorn 160 | 10 m | Recovery | | |
| Box Core 160A | 10 m | No Recovery | | |
| Box Core 160B | 10 m | No Recovery | | |
| Box Core 160C | 10 m | No Recovery | | |
| Box Core 160D | 10 m | 10 cm | | |
| Soutar Grab 160E | 1 0 m | 6-7 cm | | |
| Soutar Grab 160F | 10 m | 15 cm | | |
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REMARKS:

Van Dorn 160 - water sample from 6 meters. Suspended sediment and temperature analysis. Location: 62 54.48' N, -165 7.85' W

Box Core 160D - recovered 10 cm. 0-7 cm 5Y 4/4 silty very fine sand with faint ripples and X-laminations. 7-8 cm 5Y 2/2 peat laminations in upper clay. 8-10 cm 5YR 3/2 clayey silt with sand blebs from bioturbation. For more detailed sample description and photo - see Hans C. Nelson (USGS). Location: 62 54.64' N, -165 7.99' W

Soutar Grab 160E - 6-7 cm recovered, not described.

Soutar Grab 160F - 15 cm recovered. Olive gray (5Y 3/2) silty sand. Poor sample preservation (washed). Location: 62° 54.98' N, -165° 7.11' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Van Dorn 160

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|----------|
| н ₂ 0 | 6 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 160D

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-----------------------------|----------|
| 1 | 0-3 cm | Ed Clukey | USGS | Water Content | 10/11/76 |
| | 0-10 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/11/76 |
| | 0-7 cm | Hans C. Nelson | USGS | Texture and Mineralogy | 10/11/76 |
| | 0-7 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| | 0-7 cm | Hans C. Nelson | USGS | Petrography | 10/11/76 |
| | 8-10 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| | 8-10 cm | Hans C. Nelson | USGS | Radiocarbon Dating | 10/11/76 |
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SAMPLE NO: Soutar Grab 160F

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|-----------------------------|----------|
| 1 | Surface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/11/76 |
| | Surface | Kaplan/Sandstrom | UCLA | Archive | 10/11/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/11/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N S Analysis | 10/11/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/11/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Sample | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/11/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 062 ⁰ 59.02-59.13' N | DATE |
| LONGITUDE | -165° 33.60-34.14' W | TYPE OF STORAGE (check one) |
| STATION NO. | 161 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 161 | 18 m | Recovery | | |
| Van Dorn 161 | 18 m | Recovery | | |
| Box Core 161A | 18 m | 24 cm | | |
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REMARKS:

Water Bucket 161 - surface sample, underway. Suspended sediment and temperature analysis. Location: 62 59.13' N, -165 33.60' W Van Dorn 161 - water samples from 10 and 16 meters. Suspended sediment and temperature analysis. Location: 62 59.02' N, -165 34.14' W Box Core 161A - 24 cm recovered. Grayish olive green (5GY 3/2) to olive black (5Y 2/1) interbedded sandy silts, silty sand and silty clay with stringers of medium grained sand. For more detailed sample description and photo - see Hans C. Nelson (USGS). Location: 62 59.09' N, -165 33.74' W

SAMPLE NO: Water Bucket 161 and Van Dorn 161

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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|---------------------------------------|--------------|--|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
| H ₂ O | 10 & 16 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 161A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-----------------------------|----------|
| SECTION | INIERVAL | NAME | ORGANIZATION | PURPUSE | DATE |
| 1 | 2-4 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| | 19-21 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| | 0-3 cm | Ed Clukey | USGS | Water Content | 10/11/76 |
| | 0-10 cm | Ed Clukey | USGS | Triax. Shear | 10/11/76 |
| | 0-24 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/11/76 |
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USGS STATION LOG

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|-----------------------------|
| LATITUDE | 063 ^O 02.70-02.74' N | DATE |
| LONGITUDE | -165° 54.25-54.37' W | TYPE OF STORAGE (check one) |
| STATION NO. | 162 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 162 | 20 m | Recovery | | |
| Van Dorn 162 | 21 m | Recovery | | |
| Box Core 162A | 27 m | 20 cm | | |
| Soutar Grab 162B | 21 m | 15 cm | | |
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REMARKS:

Water Bucket 162 - surface sample underway. Suspended sediment and temperature analysis. Location: 63° 2.74' N, -165° 54.25' W

Van Dorn 162 - samples from 14 and 20 meters. Suspended sediment and temperature analysis. Location: 63° 2.70' N, -165° 54.37' W

Box Core 162A - 20 cm recovered. 0-5 or 8 cm, moderate olive brown to greenish olive, silty fine sand with abundant rock fragments. Oxidized upper 2 cm, laminations visible below. 5 to 8-15 cm, olive gray clayey and silty very fine sand, internally chaotic, many fine worm burrows. For more detailed sample description and photo, see Hans C. Nelson (USGS). Location: 63° 2.74'N,-165° 54.25'W Soutar Grab 162B - 15 cm recovered. Grayish olive 10Y 4/2 medium sand and gravel with polycheates and molluscs. Preservation-fair. Location: 63° 2.70'N, -165° 54.36' W.

| LUCATUK: <u>SEA5-76-BS</u> | L | 0. | CA | ١T | 0 | R | : | SEA5-76-BS |
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|----------------------------|---|----|----|----|---|---|---|------------|

SAMPLE NO: Water Bucket 162 and Van Dorn 162

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|---|----------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
| н ₂ 0 | 14 & 20 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/11/76 |
| | | | | Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 162A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|-----------------------------|----------|
| 1 | 0-20 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/11/76 |
| | 0-2 cm | Hans C. Nelson | uses | Petrography | 10/11/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| | 12-15 cm | Hans C. Nelson | USGS | Petrography | 10/11/76 |
| | 12-15 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 162B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|----------|
| 1 | 0-4 cm | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/11/76 |
| | 0-4 cm | Kaplan/Sandstrom | UCLA | Archive | 10/11/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/11/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/11/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/11/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/11/76 |
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USGS STATION LOG

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|-------------------------------|----------------------------|
| LATITUDE | 063 ⁰ 5.19-5.47' N | DATE |
| LONGITUDE | -166° 18.36-19.37' W | TYPE OF STORAGE(check one) |
| STATION NO. | 163 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 163 | 25 m | Recovery | | |
| Van Dorn 163 | 25 m | Recovery | | |
| Box Core 163A | 25 m | No Recovery | | |
| Box Core 163B | 25 m | No Recovery | | |
| Box Core 163C | 25 m | 18 cm | | |
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REMARKS:

Water Bucket 163 - surface sample underway. Suspended sediment and temperature analysis. Location: 63° 5.29' N, -166° 18.97' W
Van Dorn 163 - samples from 14 and 22 meters. Suspended sediment and temperature analysis. Location: 63° 5.19' N, -166° 19.37' W
Box Core 163C - recovered about 18 cm. Upper half oxidized, moderate olive brown, lower half reduced, grayish olive. Clayey silty fine sand with less silt in upper half. No physical structures but abundant worm burrows - bioturbated. For more detailed sample description and photo, see Hans C. Nelson (USGS). Location: 63° 5.47' N, -166° 18.36' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 163 and Van Dorn 163

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|--|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | |
| н ₂ о | 14 & 22 m | Dave Drake | uscs | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 163C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|--------------|----------------|--------------|-----------------------------|----------|
| 1 | 0-3 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| | 0-4 cm | Ed Clukey | USGS | Water Content | 10/11/76 |
| | 0-18 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/11/76 |
| | Surface | Ed Clukey | USGS | Tor Vane | 10/11/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 10.06-10.10' N | DATE |
| LONGITUDE | -166 ^O 35.14-35.16' W | TYPE OF STORAGE (check one) |
| STATION NO. | 164 | Х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 164 | 24 m | Recovery | | |
| Van Dorn 164 | 24 m | Recovery | | |
| Box Core 164 | 24 m | 15 cm | | |
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REMARKS:

Water Bucket 164 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63 10.10'N, -166 35.14' W
Van Dorn 164 - water samples from 14 and 22 meters. Suspended sediment and temperature analysis. Location: 63 10.07'N, -166 35.16' W
Box Core 164 - recovered 15 cm. Top - moderate olive brown, below - olive gray. Clayey medium grained sand, mottled with patches of green clay. Some black organic debris and angular shell fragments. For more detailed sample description and photo, see Hans C. Nelson (USGS). Location: 63 10.06'N, -166 35.16' W.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 164 and Van Dorn 164

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|--|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
| н ₂ о | 14 & 22 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 164

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|-----------------------------|---|--|--|
| 2-4 cm | Hans C. Nelson | USGS | Paleontology | 10/11/76 |
| 2-4 cm | Hans C. Nelson | USGS | Petrography | 10/11/76 |
| 9-12 cm | Ed Clukey | USGS | Water Content | 10/11/76 |
| 0-15 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/11/76 |
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| | 2-4 cm 2-4 cm 9-12 cm | 2-4 cm Hans C. Nelson 2-4 cm Hans C. Nelson 9-12 cm Ed Clukey | 2-4 cm Hans C. Nelson USGS 2-4 cm Hans C. Nelson USGS 9-12 cm Ed Clukey USGS | 2-4 cm Hans C. Nelson USGS Paleontology 2-4 cm Hans C. Nelson USGS Petrography 9-12 cm Ed Clukey USGS Water Content Bulk Physical |

| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 12.86' N | DATE |
| LONGITUDE | -166 ⁰ 51.95' W | TYPE OF STORAGE (check one) |
| STATION NO. | 165 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|---------------------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 165 | 27 m | Recovery | | |
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REMARKS:

Water Bucket 165 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 165

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|--|----------|
| н ₂ о | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 [°] 14.65-14.78' N | DATE <u>11/10/76</u> |
| LONGITUDE | -167 [°] 01.79-02.42' W | TYPE OF STORAGE (check one) |
| STATION NO. | 166 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 166 | 24 m | Recovery | | |
| Van Dorn 166 | 25 m | Recovery | | |
| Box Core 166A | 26 m | 15 cm | | |
| Soutar Grab 166B | 26 m | 10 cm | | |
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REMARKS:

Water Bucket 166 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63 14.75' N, -167 01.82' W Van Dorn 166 - samples from 14 and 23 meters. Suspended sediment and temperature analysis. Location: 63 14.75' N, -167 01.88' W Box Core 166A - recovered 15 cm. Grayish olive fine grained, moderately sorted quartz sand. Mottled - pods and lenses of darker silty sand (5Y 3/2). For more detailed sample description and photo - see Hans C. Nelson (USGS) Location: 63 14.65' N, -167 02.42' W Soutar Grab 166B - recovered 10 cm. Olive gray (5Y 3/2) medium sand with abundant sand dollars and polycheates. Preservation - poor (washed). Location: 63 14.78' N, -167 01.79' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 166 and Van Dorn 166

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|---|----------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/11/76 |
| H ₂ O | 14 & 23 m | Dave Drake | USGS | Tot. Part. Wt. | 10/11/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Box Core 166A

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|----------|-------------------|--|---|--|
| 0-15 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/11/76 |
| 0-2 cm | Hans C. Nelson | USGS | Grain Size | 10/11/76 |
| 10-12 cm | Hans C. Nelson | USGS | Grain Size | 10/11/76 |
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| | 0-15 cm 0-2 cm | 0-15 cm Ed Clukey 0-2 cm Hans C. Nelson | 0-15 cm Ed Clukey USGS 0-2 cm Hans C. Nelson USGS | 0-15 cm Ed Clukey USGS Bulk Physical Properties 0-2 cm Hans C. Nelson USGS Grain Size |

LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 166B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|------------------------------|----------|
| 1 | Surface | Kaplan/Sandstrom | UCITA | Hydrocarbons | 10/11/76 |
| | Surface | Kaplan/Sandstrom | UCLA | Archive | 10/11/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/11/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/11/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/11/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/11/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/11/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 19.92' N | DATE 12/10/76 |
| LONGITUDE | -166 [°] 47.40' W | TYPE OF STORAGE (check one) |
| STATION NO. | 167 | |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 167 | 25 m | Recovery | | |
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REMARKS:

Water Bucket 167 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 167

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-------------|------------|--------------|--|---|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Somposition | 10/12/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|----------------------------|
| LATITUDE | 063 ⁰ 26.25-26.33' N | DATE 12/10/76 |
| LONGITUDE | -166 ⁰ 29.42-29.58' W | TYPE OF STORAGE(check one) |
| STATION NO. | 168 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 168 | 28 m | Recovery | | |
| Van Dorn 168 | 28 m | Recovery | | |
| Soutar Grab 168A | 28 m | Recovery | | |
| Soutar Grab 168B | 28 m | 10 cm | | |
| Box Core 168C | 28 m | 14 cm | | |
| Box Core 168D | 28 m | No Recovery | | |
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REMARKS:

Water Bucket 168 - surface sample, underway. Suspended sediment and temperature analysis. Iocation: 63 26.26' N, -166 29.58' W
Van Dorn 168 - water samples from 20 and 26 meters. Suspended sediment and temperature analysis. Iocation: 63 26.27' N, -166 29.52' W
Soutar Grab 168A - no sample description found, sample kept for biota.
Location: 63 26.25' N, -166 29.57' W
Soutar Grab 168B - 10 cm recovered. Grayish olive green (5Y 3/2) medium to fine sand with abundant polycheates and brittle stars. Preservation - poor (washed). Iocation: 63 26.27' N, -166 29.55' W
Box Core 168C - 14 cm recovered. Light olive green to grayish olive fine, rounded quartz sand. No obvious structures but contains gastropods and bivalve fragments. For more detailed sample description and photo - see Hans C. Nelson (USGS). Location: 63 26.33' N, -166 29.42' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 168 and Van Dorn 168

| INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|-----------|------------|--------------------|--|---|
| Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/12/76 |
| 20 & 26 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/12/76 |
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| | Surface | Surface Dave Drake | Surface Dave Drake USGS | Surface Dave Drake USGS Tot. Part. Wt. Combustible % Grain Size & Composition 20 & 26 m Dave Drake USGS Tot. Part. Wt. Combustible % Grain Size & Grain Size & |

LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 168B

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|--------------------------|------------------|--------------|------------------------------|-------------------|
| 1 | Surface & Sub—surface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/12/76 |
| | Surface & Sub—surface | Kaplan/Sandstrom | UCLA | Archive | 10/12/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/12/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/12/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Samp | .10/12/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/12/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/12/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/12/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/12/ 7 6 |
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LOCATOR: SEA5-76-BS SAMPLE NO: Box Core 168C

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|--|--------------|-------------------------|----------|
| 1 | 0-2 cm | Hans C. Nelson | USGS | Grain Size & Texture | 10/12/76 |
| | 10-12 cm | Hans C. Nelson | USGS | Grain Size & Texture | 10/12/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------------|----------------------------|
| LATITUDE | 063 ⁰ 34.36-34.61' N | DATE 12/10/76 |
| LONGITUDE | -166 ⁰ 04.12-05.18' W | TYPE OF STORAGE(check one) |
| STATION NO. | 169 | X |
| LINE NO. | · · · · · · · · · · · · · · · · · · · | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 169 | 27 m | Recovery | | |
| Van Dorn 169 | 27 m | Recovery | | |
| Soutar Grab 169A | 27 m | 25 cm | | |
| Soutar Grab 169B | 27 m | No Recovery | | |
| Soutar Grab 169C | 27 m | 10 cm | | |
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REMARKS:

Water Bucket 169 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63° 34.51' N, -166° 5.02' W
Van Dorn 169 - water samples from 15 and 24 meters. Suspended sediment and temperature analysis. Location: 63° 34.47' N, -166° 4.89' W
Soutar Grab 169A - 25 cm recovered. Light olive gray to grayish olive fine quartz sand with some iron staining. Thin laminations, pods and lenses of darker silty sand. For more detailed description and sample photo, see Hans C. Nelson (USGS). Location: 63° 34.61' N, -166° 5.18' W
Soutar Grab 169C - 10 cm recovered. Grayish olive fine sand, darker and more cohesive below surface. Fauna: polycheates and hermit crab.
Preservation - poor. Location: 63° 34.36' N, -166° 4.12' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 169 and Van Dorn 169

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| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|---------------------------------|----------|
| н,0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/12/76 |
| | | | | Grain Size & Composition | |
| н ₂ 0 | 15 & 24 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/12/76 |
| | | | | Grain Size & Composition | |
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LOCATOR: SEA5-76-BS

SAMPLE NO:Soutar Grab 169A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|------------|----------------|--------------|-----------------------------|----------|
| 1 | Whole Core | Hans C. Nelson | USGS | Biota | 10/12/76 |
| | 0-2 cm | Hans C. Nelson | USGS | Texture & Grain Size | 10/12/76 |
| | 20-22 cm | Hans C. Nelson | USGS | Texture & Grain Size | 10/12/76 |
| | Surface | Ed Clukey | USGS | Water Content | 10/12/76 |
| | Surface | Ed Clukey | USGS | Bulk Physical Properties | 10/12/76 |
| | Surface | Ed Clukey | USGS | Vane Shear | 10/12/76 |
| | 5 cm | Ed Clukey | USGS | Vane Shear | 10/12/76 |
| | 10 cm | Ed Clukey | USGS | Vane Shear | 10/12/76 |
| | 15 cm | Ed Clukey | USGS | Vane Shear | 10/12/76 |
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| LOCATOR: SEA5-76-BS | SAMPLE NO: Soutar Grab 169C |
|---------------------|-----------------------------|
|---------------------|-----------------------------|

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------------------|------------------|--------------|------------------------------|-----------|
| 1 | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/12/76 |
| | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Archive | 10/12/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/12/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental C,N, S Analysis | 10/12/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/12/76 |
| | unk. | Keith Kvenvolden | USGS | Reference Samp | .10/12/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/12/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/12/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/12/76 |
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| LATITUDE06 | A5-76-BS 3 ^O 41.74-41.85 5 ^O 45.82-45.87 | | | DAY/MONTH/YEAR E 12/10/76 E OF STORAGE(check X COLD FROZEN | |
|--------------------------------|--|-------------------|--------------------|--|--|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOITOM | |
| Water Bucket 170 Van Dorn 170 | 25 m 25 m | Recovery Recovery | | | |
| Soutar Grab 170A | 25 m | 10 cm | | | |
| Soutar Grab 170B | 25 m | 18 cm | | | |
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REMARKS:

Water Bucket 170 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63 41.82' N, -165 45.87' W
Van Dorn 170 - water samples from 14 and 23 meters. Suspended sediment and temperature analysis. Location: 63 41.85' N, -165 45.83' W
Soutar Grab 170A - 10 cm recovered. Olive gray (5Y 3/2) silty sand with polycheates. Soupy surface, more cohesive below 2 cm. Preservation: fair. Location: 63 41.74' N, -165 45.82' W
Soutar Grab 170B - 18 cm recovered. Light olive gray to grayish olive fine to medium grained quartz sand. Pods and lenses of lighter colored sand in darkder silty sand matrix. For more complete sample description and photo, see Hans C. Nelson (USGS). Location: 63 41.83' N, -165 45.87' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 170 and Van Dorn 170

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|--|---------------------------------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/12/76 |
| н ₂ 0 | 14 & 23 m | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/12/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 170A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE | |
|---------|-------------------------|------------------|--------------|------------------------------|----------|--|
| 1 | Surface & Subsurface | Kaplan/Sandstrom | ÚCLA | Hydrocarbons | 10/12/76 | |
| | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Archive | 10/12/76 | |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/12/76 | |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/12/76 | |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/12/76 | |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/12/76 | |
| | unk. | Hans C. Nelson | USGS | Forams | 10/12/76 | |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/12/76 | |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/12/76 | |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 170B

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|---------|----------|----------------|--------------|-----------------------------|----------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| 1 | 0-2 cm | Hans C. Nelson | USGS | Texture & Grain Size | 10/12/76 |
| | 14-16 cm | Hans C. Nelson | USGS | Texture and Grain Size | 10/12/76 |
| | 5-8 cm | Ed Clukey | USGS | Bulk Physical Properties | 10/12/76 |
| | Surface | Ed Clukey | USGS | Density | 10/12/76 |
| | 0-10 cm | Ed Clukey | USGS | Triax. Shear | 10/12/76 |
| | Surface | Ed Clukey | USGS | Vane Shear | 10/12/76 |
| | 5 cm | Ed Clukey | USGS | Vane Shear | 10/12/76 |
| | 10 cm | Ed Clukey | USGS | Vane Shear | 10/12/76 |
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| LATITUDE <u>063</u> ^C | 6-76-BS 0 52.40' N 0 36.71' W | | | DAY/MONTH/YEAR E 12/10/76 E OF STORAGE(check x | - :k one) |
|----------------------------------|-------------------------------------|----------------|--------------------|--|--------------|
| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Water Bucket 171 | 23 m | Recovery | | | |
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REMARKS:

Water Bucket 171 - surface sample, underway. Suspended sediment and temperature analysis.

LOCATOR: SEA5-76-BS SAMPLE NO: Water Bucket 171

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|------------|--------------|---|----------|
| H ₂ O | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & | 10/12/76 |
| | | | | Composition | |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------|-----------------------------|
| LATITUDE | 064° 00.11-00.28' N | DATE 13/10/76 |
| LONGITUDE | -165° 28.86-29.46' W | TYPE OF STORAGE (check one) |
| STATION NO. | 172 | Х |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 172 | 20 m | Recovery | | |
| Van Dorn 172 | 20 m | Recovery | | |
| Soutar Grab 172 | 20 m | 10 cm | | |
| Hand Sample 172A | 20 m | Recovery | | |
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REMARKS:

Water Bucket 172 - surface sample, underway. Suspended sediment and temperature analysis. Location: 64 0.17' N, -165 29.38' W
Van Dorn 172 - water sample from 18 meters. Suspended sediment and temperature analysis. Location: 64 0.13' N, -165 28.86' W
Soutar Grab 172 - 10 cm recovered. Olive green silty sand. Preservation is poor, sample washed. Location: 64 0.11' N, -165 29.16' W
Note: Geoprobe sight, Hand Sample 172A is mud off geoprobe foot. No description of sample found. Location: 64 0.28' N, -165 29.46' W

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SAMPLE NO: Water Bucket 172 and Van Dorn 172

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|---------------------------------------|--------------|--|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/13/76 |
| H ₂ O | 18 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | |
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| LOCATOR: <u>sea5-76-bs</u> | SAMPLE NO: Soutar Grab 172 |
|----------------------------|----------------------------|
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STATION NO: 172

Note: Geoprobe site

| | now. coprose site | | | | |
|---------|-------------------------|------------------|--------------|------------------------------|----------|
| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
| | 0-2 cm | Ed Clukey | USGS | Water Content | 10/13/76 |
| | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/13/76 |
| | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Archive | 10/13/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/13/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/13/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/13/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/13/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 064 ⁰ 13.47-13.54' N | DATE 13/10/76 |
| LONGITUDE | -165 ^O 01.59-01.89' W | TYPE OF STORAGE (check one) |
| STATION NO. | 173 | X |
| LINE NO. | | DRY COLD FROZEN |
| | | |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 173 | 18 m | Recovery | | |
| Van Dorn 173 | 18 m | Recovery | | |
| Soutar Grab 173 | 18 m | Recovery | | |
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REMARKS:

Water Bucket 173 - surface sample, underway. Suspended sediment and temperature analysis. Location: 64 13.54' N, -165 01.89' W Van Dorn 173 - water sample from 15 meters. Suspended sediment and temperature analysis. Location: 64 13.51' N, -165 01.75' W Soutar Grab 173 - no sample description found but engineering and biota subsamples were taken. Location: 64 13.47' N, -165 01.59' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 173 and Van Dorn 173

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|---------------------------------|----------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/13/76 |
| | | | | Grain Size & Composition | |
| H ₂ O | 15 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % | 10/13/76 |
| | · | | | Grain Size & Composition | |
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LOCATOR: SEA5-76-BS SAMPLE NO: Soutar Grab 173

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|-----------------|--------------|--------------|------------------|
| 1 | 0-6 cm | Ed Clukey | USGS | Bulk Density | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Biota | 10/13/76 |
| | | india of Netton | u.u. | Біоц | 10/13/70 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|---------------------------------|----------------------------|
| LATITUDE | 064 ⁰ 20.92-21.13' N | DATE <u>13/10/76</u> |
| LONGITUDE | -165° 00.12-01.09' W | TYPE OF STORAGE(check one) |
| STATION NO. | 174 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 174 | 36 m | Recovery | | |
| Van Dorn 174 | 36 m | Recovery | | |
| Soutar Grab 174A | 36 m | 15 cm | | |
| Soutar Grab 174B | 36 m | No Recovery | | |
| Soutar Grab 174C | 36 m | No Recovery | | |
| Soutar Grab 174D | 36 m | 20 cm | | |
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REMARKS:

Water Bucket 174 - surface sample underway. Suspended sediment and temperature analysis. Location: 64 21.13' N, -165 00.69' W Van Dorn 174 - water sample from 33 meters. Suspended sediment and temperature analysis. Location: 64 21.14' N, -165 01.09' W Soutar Grab 174A - recovered 15 cm. Grayish olive (10Y 4/2) medium sand and gravel with polycheates and molluscs. Preservation: fair. Location: 64 21.15' N, -165 00.69' W Soutar Grab 174D - recovered 20 cm. 5Y 3/2 muddy gravelly coarse to medium sand, homogeneous without stratification. For sample sketch and photo, see Hans C. Nelson (USGS). Location: 64 20.92' N, -165 00.12' W

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 174 and Van Dorn 174

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|-----------|------------|--------------|--|-------------------|
| н ₂ 0 | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/13/ 7 6 |
| н ₂ о | 33 meters | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/13/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 174A

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|-------------------------|------------------|--------------|------------------------------|----------|
| 1 | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/13/76 |
| | Surface & Subsurface | Kaplan/Sandstrom | UCLA | Archive | 10/13/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Gas Sample | 10/13/76 |
| | unk. | Kaplan/Sandstrom | UCLA | Elemental-C,N, S Analysis | 10/13/76 |
| | unk. | Keith Kvenvolden | USGS | Gas Sample | 10/13/76 |
| | unk. | Keith Kvenvolden | USGS | Reference | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/13/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/13/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 174D

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|----------|
| 1 | 0-9 cm | Ed Clukey | ÚSGS | Triax. Shear | 10/13/76 |
| | 0-3 cm | Hans C. Nelson | USGS | Texture and Grain Size | 10/13/76 |
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| SHIP / LEG | SEA5-76-BS | DAY/MONTH/YEAR |
|-------------|----------------------------------|-----------------------------|
| LATITUDE | 063 ⁰ 52.34' N | DATE <u>14/10/76</u> |
| LONGITUDE | -166 ^O 31.15-31.17' W | TYPE OF STORAGE (check one) |
| STATION NO. | 175 | X |
| LINE NO. | | DRY COLD FROZEN |

| SAMPLE NO. TYPE & ID. | UNCORRECTED DEPTH (M) | CORE LENGIH | BASIC LITHOLOGY | AGE OF BOTTOM |
|--------------------------|--------------------------|----------------|--------------------|------------------|
| Water Bucket 175 | 33 m | Recovery | | |
| Soutar Grab 175 | 33 m | 30 cm | | |
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REMARKS:

Water Bucket 175 - surface sample, underway. Suspended sediment and temperature analysis. Location: 63 52.34' N, -166 31.15' W Soutar Grab 175 - 30 cm recovered. Top 3 cm - 5Y 4/4, middle - 5Y 5/2, lower half - streaked olive black 5Y 2/1. Sandy clayey silt, top of sample covered with starfish.

LOCATOR: SEA5-76-BS

SAMPLE NO: Water Bucket 175

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|------------------|----------|---------------------------------------|--------------|--|----------|
| н ₂ о | Surface | Dave Drake | USGS | Tot. Part. Wt. Combustible % Grain Size & Composition | 10/14/76 |
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LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 175

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|----------------|--------------|---------------------------|----------|
| 1 | 0-3 cm | Hans C. Nelson | USGS | Texture & Grain Size | 10/14/76 |
| - | 27-30 cm | Hans C. Nelson | USGS | Texture and Grain Size | 10/14/76 |
| | 0-2 cm | Ed Clukey | USGS | Water Content | 10/14/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/14/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/14/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/14/76 |
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| SHIP / LEG | SE | A5-76-BS | ···· | | DAY/MONTH/YEAR | |
|-----------------|-----|--------------------------|----------------|--------------------|-------------------|--------|
| LATITUDE | 06 | 4 ⁰ 03.11' N | | DAT | E <u>14/10/76</u> | · - |
| LONGITUDE | 16 | 7 ⁰ 00.06' W | ·· | TYP | E OF STORAGE(chec | k one) |
| STATION NO. 176 | | | | X | | |
| LINE NO. | | | <u></u> | DR | Y COLD FROZE | N |
| | | | | | | _ |
| SAMPLE N | | UNCORRECTED DEPTH (M) | CORE LENGTH | BASIC LITHOLOGY | AGE OF BOTTOM | |
| Soutar Grab | 176 | 34 m | 24 cm | | | |
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REMARKS:

Soutar Grab 176 - 24 cm recovered. Olive gray to olive black muddy fine sand. Mottled with very poor remnant of layering. Numerous shell fragments. For more detailed sample description, sketch and photo, see Hans C. Nelson (USGS).

LOCATOR: SEA5-76-BS

SAMPLE NO: Soutar Grab 176

| SECTION | INTERVAL | NAME | ORGANIZATION | PURPOSE | DATE |
|---------|----------|------------------|--------------|-------------------------------|-------------|
| 1 | 0-4 cm | Hans C. Nelson | USGS | Texture & Grain Size | 10/14/76 |
| | 20-24 cm | Hans C. Nelson | USGS | Texture & Grain Size | 10/14/76 |
| | 0-3 cm | Ed Clukey | USGS | Water Content | 10/14/76 |
| | Surface | Kaplan/Sandstrom | UCLA | Hydrocarbons | 10/14/76 |
| | unk. | Keith Kvenvolden | USGS | Hydrocarbon Reference Samp | .10/14/76 |
| | unk. | Hans C. Nelson | USGS | Forams | 10/14/76 |
| | unk. | Hans C. Nelson | USGS | Pb ₂₁₀ Dating | 10/14/76 |
| | unk. | Hans C. Nelson | USGS | Trace Metals | 10/14/76 |
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